# ST510CS-4H

## PowerStack Liquid Cooled C&I Energy Storage System

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### LOWER COST

- Integrated Pre-installation: High-degree integrated system with pre-installation and pre-commissioning reduces on-site commissioning work
- Al-Controlled Heat Saving: Innovative Al-controlled thermal balance cuts down daily system heat loss by 33%
- Precise Liquid-Cooling Temperature Equalization: Liquid-cooled balanced heat dissipation keeps the cell temperature difference ≤ 2.5°C.



### EFFICIENT AND FLEXIBLE

- High-efficiency Power Conversion: DC/AC power converter unit features a high efficiency of up to 98.5%
- Seamless Installation: Cabinets can be installed side by side seamlessly for a smooth appearance
- Flexible Grid Connection: Supports on-grid, off-grid, and automatic switching



#### **SMART AND ROBUST**

- Cloud-based Intelligent Monitoring: Monitor via iSolarCloud App or web cloud for real-time alarms and troubleshooting
- Wireless Intelligent Operation and Maintenance: Near-far-end wireless intelligent operation and one-key remote upgrade reduce operation and maintenance costs



#### 🔄 SAFE AND RELIABLE

- AI-Monitored Cell Health: AI monitors cell health and gives early warnings for thermal runaway
- Three-level over-current Protection: Three -level overcurrent protection for PACK, RACK, and PCS
- Three-level fire-prevention Design: Three-level fireprevention design with accurate early warnings for thermal runaway to prevent fires





DC side	Type designation	ST510CS-4H
System battery configuration         256S2P           Nominal capacity         514 kWh           Nominal voltage range         691,2 V - 934,4 V           Depth of charge and discharge         0 % - 100 %           Ac side (On-Grid)         Nominal power         125 kW           Nominal voltage         400 V           Access way         394L           Voltage range         340 V - 440 V           Nominal frequency         50 Hz / 60Hz           Frequency range         45 Hz - 55 Hz / 55 Hz - 65 Hz           MaxTHD of current         \$ 3 % (Nominal power)           DC component         \$ 0.5 % (Nominal power)           Power factor range         1.0 leading - 1.0 leaging           AC side (Off-Grid)         1.0 leading - 1.0 leaging           Nominal AC voltage         400 V           Nominal AC voltage         3 % (Linear load)           Unbalance load capacity         30 Hz / 60Hz           System parameter         100 %           Dimensions (W * H * D)         2152 mm * 2470 mm * 1610 mm           Weight         \$ 5300 kg           Degree of protection         1 PS5           Auxiliary power supply (Default)         External power supply (Optional)           Articorrosion degree         C4 (Default) <td>DC side</td> <td></td>	DC side	
Nominal capacity   S14 kWh   Nominal voltage range   S912 V ~ 934,4 V	Cell type	LFP 3.2 V / 314 Ah
Nominal voltage range         6912 V ~ 934.4 V           Depth of charge and discharge         0 % ~ 100 %           AC side (Or-Grid)         1           Nominal power         125 kW           Nominal voltage         400 V           Access way         3P4L           Voltage range         340 V ~ 440 V           Nominal frequency         50 Hz / 60Hz           Frequency range         45 Hz ~ 55 Hz / 65 Hz           Max.THD of current         ≤ 3 % (Nominal power)           DC component         ≤ 0.5 % (Nominal power)           Power factor range         10 leading ~ 10 lagging           AC side (Off-Grid)         400 V           Nominal AC voltage         400 V           Nominal AC frequency         50 Hz / 60Hz           Max.THD of voltage         3 % (Linear load)           Unbalance load capacity         100 %           System parameter         2           Dimensions ( W * H * D )         2152 mm * 2470 mm * 1610 mm           Weight         ≤ 5300 kg           Egree of protection         1P55           Auxiliary power supply         Internal power supply (Default)           External power supply (Optional)         C4 (Default)           C5 (Optional)         Operation humidity range <td>System battery configuration</td> <td>256S2P</td>	System battery configuration	256S2P
Depth of charge and discharge         0 % ~ 100 %           AC side (On-Grid)         125 kW           Nominal power         125 kW           Nominal voltage         400 V           Access way         3P4L           Voltage range         340 V ~ 440 V           Nominal frequency         50 Hz / 60Hz           Frequency range         45 Hz ~ 55 Hz / 55 Hz ~ 65 Hz           Max.THD of current         2 3 % (Nominal power)           DC component         \$ 0.5 % (Nominal power)           Dever factor range         400 V           Ac side (Off-Grid)         10 leading ~ 1.0 leaging           Nominal AC frequency         50 Hz / 60Hz           Max.THD of voltage         400 V           Mominal AC frequency         50 Hz / 60Hz           Max.THD of voltage         3 % (Linear load)           Unbalance load capacity         100 %           System parameter         100 %           Dimensions (W* H* D)         2152 mm * 2470 mm * 1610 mm           Weight         \$ 5300 kg           Degree of protection         1P55           Auxiliary power supply         Internal power supply (Default)           External power supply (Optional)         C (C (Pefault))           Operation humidity range         0 % -	Nominal capacity	514 kWh
AC side ( On-Grid )	Nominal voltage range	691.2 V ~ 934.4 V
Nominal power         125 kW           Nominal voltage         400 V           Access way         3P4L,           Voltage range         340 V − 440 V           Nominal frequency         50 Hz / 60 Hz           Frequency range         45 Hz − 55 Hz / 55 Hz           Max.THD of current         \$3 % (Nominal power)           DC component         \$0.5 % (Nominal power)           Power factor range         1.0 leading ~ 1.0 lagging           AC side (Off-Grid)         10           Nominal AC voltage         400 V           Nominal AC frequency         50 Hz / 60 Hz           Max.THD of voltage         3 % (Linear load)           Unbalance load capacity         100 %           System parameter         100 %           Dimensions (W * H * D)         2152 mm * 2470 mm * 1610 mm           Weight         \$5300 kg           Degree of protection         IP55           Auxiliary power supply         Internal power supply (Default)           External power supply (Default)         External power supply (Optional)           Anti-corrosion degree         C5 (Optional)           Operation humidity range         0 % ~ 100 %           Operation temperature range         30 °C ~ 50 °C (× 45 °C derating)           Max.	Depth of charge and discharge	0 % ~ 100 %
Nominal voltage         400 V           Access way         374L           Voltage range         340 V ~ 440 V           Nominal frequency         50 Hz / 60 Hz           Frequency range         45 Hz ~ 55 Hz / 55 Hz ~ 65 Hz           MaxTHD of current         \$3 % (Nominal power)           DC component         \$0.5% (Nominal power)           Power factor range         1.0 leading ~ 1.0 lagging           AC side (Off-Grid)         ***           Nominal AC voltage         400 V           Nominal AC voltage         \$0 Hz / 60 Hz           MaxTHD of voltage         \$0 Hz / 60 Hz           MaxTHD of voltage         \$100 %           System parameter         ***           Dimensions (W * H * D)         \$152 mm * 2470 mm * 1610 mm           Weight         \$5300 kg           Degree of protection         IP55           Auxiliary power supply         Internal power supply (Default)           External power supply (Optional)         \$1 (Composition of the supply (Optional)           Anti-corrosion degree         \$6 (Optional)           Operation tumpidity range         \$6 (Optional)           Operation temperature range         \$30 °C * 50 °C (* 45 °C derating)           Max. operating altitude         \$300 m	AC side ( On-Grid )	
Access way  Voltage range  340 V ~ 440 V  Nominal frequency Frequency range  45 Hz ~ 55 Hz / 55 Hz ~ 65 Hz  MaxTHD of current  Somponent  Combonial Ac voltage  Ac side (Off-Grid)  Nominal AC voltage  Max.THD of voltage  Max.THD of voltage  MaxTHD of voltage	Nominal power	125 kW
Voltage range         340 V ~ 440 V           Nominal frequency         50 Hz / 60 Hz           Frequency range         45 Hz ~ 55 Fz / 55 Hz ~ 65 Hz           Max.THD of current         \$ 3 % (Nominal power)           DC component         \$ 0.5 % (Nominal power)           Power factor range         1.0 leading ~ 1.0 lagging           AC side (Off-Grid)         ***           Nominal AC voltage         400 V           Nominal AC frequency         50 Hz / 60 Hz           Max.THD of voltage         3 % (Linear load)           Unbalance load capacity         100 %           System parameter         ***           Dimensions (W * H * D)         2152 mm * 2470 mm * 1610 mm           Weight         \$ 5300 kg           Degree of protection         IP55           Auxiliary power supply         Internal power supply (Default)           External power supply (Optional)         External power supply (Optional)           Anti-corrosion degree         C5 (Optional)           Operation humidity range         0 % ~ 100 %           Operation temperature range         -30 °C ~ 50 °C (~ 45 °C derating)           Max. operating altitude         3000 m           Temperature control method         Intelligent liquid cooling           Noise <t< td=""><td>Nominal voltage</td><td>400 V</td></t<>	Nominal voltage	400 V
Nominal frequency         50 Hz / 60Hz           Frequency range         45 Hz ~ 55 Hz / 55 Hz ~ 65 Hz           MaxTHD of current         ≤ 3 % (Nominal power)           DC component         ≤ 0.5 % (Nominal power)           Power factor range         1.0 leading ~ 1.0 lagging           AC side (Off-Orid)         3 (Linear load)           Nominal AC voltage         400 V           Nominal AC frequency         50 Hz / 60Hz           MaxTHD of voltage         3 % (Linear load)           Unbalance load capacity         100 %           System parameter         2           Dimensions (W* H*D)         2152 mm* 2470 mm* 1610 mm           Weight         ≤ 5300 kg           Degree of protection         1P55           Auxiliary power supply         1nternal power supply (Default)           External power supply (Optional)         2           Anti-corrosion degree         C5 (Optional)           Operation humidity range         0 % ~ 100 %           Operation temperature range         -30 °C ~ 50 °C (> 45 °C derating)           Max. operating altitude         3000 m           Temperature control method         Intelligent liquid cooling           Noise         ≤ 65 dB @ 1 m           Fire suppression system         Combustible gas de	Access way	3P4L
Frequency range         45 Hz ~ 55 Hz / 55 Hz ~ 65 Hz           Max THD of current         ≤ 3% (Nominal power)           DC component         ≤ 0.5% (Nominal power)           Power factor range         1.0 leading ~ 1.0 lagging           AC side ( Off-Grid )         (Nominal AC voltage           Nominal AC voltage         400 V           Nominal AC frequency         50 Hz / 60Hz           Max.THD of voltage         3% (Linear load)           Unbalance load capacity         100 %           System parameter         100 %           Dimensions (W * H * D)         2152 mm * 2470 mm * 1610 mm           Weight         ≤ 5300 kg           Degree of protection         Internal power supply (Default)           Auxiliary power supply         External power supply (Default)           Anti-corrosion degree         C4 (Default)           Correction humidity range         0% ~ 100 %           Operation humidity range         0% ~ 100 %           Operation temperature range         -30 °C ~ 50 °C (~ 45 °C derating)           Max. operating altitude         3000 m           Temperature control method         Intelligent liquid cooling           Noise         ≤ 65 dB @ 1 m           Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing	Voltage range	340 V ~ 440 V
MaxTHD of current ≤ 3 % (Nominal power)  DC component ≤ 0.5 % (Nominal power)  Power factor range 1.0 leading ~ 1.0 leading ~ 1.0 lagging  AC side (Off-Grid)  Nominal AC voltage 400 ∨  Nominal AC frequency 50 Hz / 60Hz  MaxTHD of voltage 3 % (Linear load)  Unbalance load capacity 100 %  System parameter  Dimensions (W * H * D) 2152 mm * 2470 mm * 1610 mm  Weight ≤ 5300 kg  Degree of protection 1P55  Auxiliary power supply Default (Linear load)  Anti-corrosion degree C4 (Default)  C5 (Optional)  Operation humidity range 0 % ~ 100 %  Operation temperature range -30 °C ~ 50 °C (> 45 °C derating)  Max. operating altitude 3000 m  Temperature control method 1ntelligent liquid cooling  Noise ≤ 65 dB @ 1 m  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface Ethernet  Communication protocol 1EC 62040, IEC 62047, IEC 61000, IEC 62933, UN 38.3  MaxParallel quantity	Nominal frequency	50 Hz / 60Hz
DC component ≤ 0.5 % ( Nominal power )  Power factor range 1.0 leading ~ 1.0 lagging  AC side ( Off-Crid )  Nominal AC voltage 400 ∨  Nominal AC frequency 50 Hz / 60 Hz  MaxTHD of voltage 3 % ( Linear load )  Unbalance load capacity 700 %  System parameter  Dimensions ( W * H * D ) 2152 mm * 2470 mm * 1610 mm  Weight ≤ 5300 kg  Degree of protection 1 Internal power supply ( Default )  Auxiliary power supply a Internal power supply ( Default )  External power supply ( Optional )  Operation humidity range 0 % ~ 100 %  Operation temperature range 3.30 °C ~ 50 °C ( > 45 °C derating )  Max. operating altitude 3000 m  Temperature control method 1 Intelligent liquid cooling  Noise 565 dB @ 1 m  Combustible gas detector, Fleat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface Ethernet  Communication protocol 1 EC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  MaxParallel quantity 500 minimum in the second in the cool of th	Frequency range	45 Hz ~ 55 Hz / 55 Hz ~ 65 Hz
Power factor range 1.0 leading ~ 1.0 lagging  AC side ( Off-Grid )  Nominal AC voltage 400 V  Nominal AC frequency 50 Hz / 60 Hz  Max.THD of voltage 3% ( Linear load ) Unbalance load capacity 100 %  System parameter  Dimensions ( W * H * D ) 2152 mm * 2470 mm * 1610 mm  Weight \$5300 kg  Degree of protection IP55  Auxiliary power supply ( Default ) External power supply ( Optional )  Anti-corrosion degree C5 ( Optional )  Operation humidity range 0 % ~ 100 %  Operation humidity range 0 % ~ 100 %  Operation temperature range 3000 m  Temperature control method Intelligent liquid cooling  Noise \$65 dB @ 1 m  Fire suppression system Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface Ethernet  Communication interface   Ethernet  Communication interface   Ethernet  Communication interface   Ethernet  Communication interface   Ethernet  Communication protocol   IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  Max Parallel quantity   On-Grid: 25 pcs	Max.THD of current	≤ 3 % ( Nominal power )
AC side (Off-Grid )  Nominal AC voltage	DC component	≤ 0.5 % ( Nominal power )
Nominal AC voltage       400 V         Nominal AC frequency       50 Hz / 60 Hz         Max.THD of voltage       3 % ( Linear load )         Unbalance load capacity       100 %         System parameter         Dimensions (W*H*D)       2152 mm*2470 mm*1610 mm         Weight       ≤ 5300 kg         Degree of protection       IP55         Auxiliary power supply       Internal power supply ( Default )         External power supply ( Optional )       C4 ( Default )         Anti-corrosion degree       C5 ( Optional )         Operation humidity range       0 % ~ 100 %         Operation temperature range       -30 °C ~ 50 °C ( > 45 °C derating )         Max. operating altitude       3000 m         Temperature control method       Intelligent liquid cooling         Noise       ≤ 65 dB @ 1 m         Fire suppression system       Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment         Communication interface       Ethernet         Communication protocol       Modbus TCP         Standard       IEC 62619, IEC 63056, IEC 630540, IEC 62477, IEC 61000, IEC 62933, UN 38.3         Max Parallel quantity	Power factor range	1.0 leading ~ 1.0 lagging
Nominal AC frequency  Max.THD of voltage  Unbalance load capacity  System parameter  Dimensions (W*H*D)  Meight  Degree of protection  Auxiliary power supply  Anti-corrosion degree  Operation humidity range  Operation temperature range  Max. operating altitude  Temperature control method  Noise  Fire suppression system  Communication interface  Communication protocol  Max. Parallel quantity  December  100 %  100 %  2152 mm *2470 mm *1610 mm  2152 mm *2470 mm *2470 mm *2610 mm  2152 mm *247	AC side ( Off-Grid )	
Max.THD of voltage 3 % (Linear load ) Unbalance load capacity 100 %  System parameter  Dimensions ( W*H*D) 2152 mm*2470 mm*1610 mm  Weight \$\frac{5300 kg}{55300 kg}  Degree of protection IP55  Auxiliary power supply (Default) External power supply (Optional)  Anti-corrosion degree \$\frac{C4 (Default)}{C5 (Optional)}  Operation humidity range \$\frac{0}{0} \times \t	Nominal AC voltage	400 V
Unbalance load capacity  System parameter  Dimensions (W*H*D)  2152 mm*2470 mm*1610 mm  Weight  Egree of protection  Auxiliary power supply  Anti-corrosion degree  C4 (Default)  C5 (Optional)  Operation humidity range  Operation temperature range  Ax. operating altitude  Temperature control method  Noise  Fire suppression system  Communication interface  Communication protocol  Standard  Max. Parallel quantity  Dimensions (W*H*D)  2152 mm*2470 mm*1610 mm  1P55  1P55  Internal power supply (Default)  External power supply (Optional)  Operation long supply (Optional)  C4 (Default)  C5 (Optional)  O % ~100 %  O %	Nominal AC frequency	50 Hz / 60Hz
System parameter       Dimensions (W*H*D)     2152 mm*2470 mm*1610 mm       Weight     ≤ 5300 kg       Degree of protection     1P55       Auxiliary power supply     Internal power supply (Default)       External power supply (Optional)     C4 (Default)       Anti-corrosion degree     C5 (Optional)       Operation humidity range     0 % ~100 %       Operation temperature range     -30 °C ~50 °C (> 45 °C derating)       Max. operating altitude     3000 m       Temperature control method     Intelligent liquid cooling       Noise     ≤ 65 dB @ 1 m       Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment       Communication interface     Ethernet       Communication protocol     Modbus TCP       Standard     IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3       Max. Parallel quantity     On-Grid: 25 pcs	Max.THD of voltage	3 % ( Linear load )
Dimensions ( W * H * D )       2152 mm * 2470 mm * 1610 mm         Weight       ≤ 5300 kg         Degree of protection       IP55         Auxiliary power supply       Internal power supply ( Default )         External power supply ( Optional )       C4 ( Default )         Anti-corrosion degree       0% ~ 100 %         Operation humidity range       0% ~ 100 %         Operation temperature range       -30 °C ~ 50 °C ( > 45 °C derating )         Max. operating altitude       3000 m         Temperature control method       Intelligent liquid cooling         Noise       ≤ 65 dB @ 1 m         Fire suppression system       Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment         Communication interface       Ethernet         Communication protocol       Modbus TCP         Standard       IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3         Max.Parallel quantity       On-Grid: 25 pcs	Unbalance load capacity	100 %
Weight       ≤ 5300 kg         Degree of protection       IP55         Auxiliary power supply       Internal power supply ( Default )         External power supply ( Optional )       C4 ( Default )         C5 ( Optional )       C5 ( Optional )         Operation humidity range       0 % ~ 100 %         Operation temperature range       -30 °C ~ 50 °C ( > 45 °C derating )         Max. operating altitude       3000 m         Temperature control method       Intelligent liquid cooling         Noise       ≤ 65 dB @ 1 m         Fire suppression system       Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment         Communication interface       Ethernet         Communication protocol       Modbus TCP         Standard       IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3         Max.Parallel quantity       On-Grid: 25 pcs	System parameter	
Degree of protection  Auxiliary power supply  Anti-corrosion degree  C4 (Default)  C5 (Optional)  Operation humidity range  Operation temperature range  Ax. operating altitude  Temperature control method  Noise  Fire suppression system  Communication interface  Communication protocol  Ethernet  Communication protocol  Max. Parallel quantity  Intelligent liquid colon, IEC 62040, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  Max.Parallel quantity	Dimensions ( W * H * D )	2152 mm * 2470 mm * 1610 mm
Auxiliary power supply    External power supply ( Default )	Weight	≤ 5300 kg
Auxiliary power supply  External power supply ( Optional )  C4 ( Default ) C5 ( Optional )  Operation humidity range  Operation temperature range  Operation temperature range  Max. operating altitude  Temperature control method  Noise  Intelligent liquid cooling  Esternal power supply ( Optional )  Operation temperature range  Operation temperature range  Auxiliary power supply ( Optional )  Operation temperature control well of the supple of th	Degree of protection	IP55
Anti-corrosion degree  C4 ( Default ) C5 ( Optional )  Operation humidity range  O % ~ 100 %  Operation temperature range  Anti-corrosion degree  O % ~ 100 %  Operation temperature range  Anti-corrosion degree  O % ~ 100 %  Operation temperature range  Anti-corrosion degree  O % ~ 100 %  Operation temperature range  Anti-corrosion degree  O % ~ 100 %  Operation temperature range  Anti-corrosion degree  O % ~ 100 %  Operation temperature range  Anti-corrosion degree  O % ~ 100 %  Operation temperature range  Anti-corrosion degree  O % ~ 100 %  Operation temperature range  Anti-corrosion degree  Operation temperature range  Operation temperature operation temperature range  Operation temperature ran	Auxiliary power supply	Internal power supply ( Default )
Anti-corrosion degree  C5 (Optional )  Operation humidity range  O % ~ 100 %  Operation temperature range  Anx. operating altitude  Temperature control method  Noise  Since Soft B @ 1 m  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface  Ethernet  Communication protocol  Standard  Max. Parallel quantity  C5 (Optional )  O % ~ 100 %  O % ~ 100 %  O method  Temperature control method  Intelligent liquid cooling  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Ethernet  Omdobus TCP  Standard  IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  On-Grid: 25 pcs		External power supply ( Optional )
Operation humidity range  Operation temperature range  Ass. operating altitude  Temperature control method  Noise  Fire suppression system  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface  Ethernet  Communication protocol  Standard  Max. Parallel quantity  Cightonal  O % ~ 100 %  O % ~ 100 %  Coderating  Intelligent liquid cooling  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Ethernet  Omdobus TCP  Standard  IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  On-Grid: 25 pcs	Anti-corrosion degree	C4 (Default)
Operation temperature range  -30 °C ~ 50 °C ( > 45 °C derating )  Max. operating altitude  3000 m  Temperature control method  Noise  ≤ 65 dB @ 1 m  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface  Ethernet  Communication protocol  Standard  Max.Parallel quantity  -30 °C ~ 50 °C ( > 45 °C derating )  3000 m  Intelligent liquid cooling  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Ethernet  Omdbus TCP  Standard  IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  On-Grid: 25 pcs		C5 ( Optional )
Max. operating altitude     3000 m       Temperature control method     Intelligent liquid cooling       Noise     ≤ 65 dB @ 1 m       Fire suppression system     Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment       Communication interface     Ethernet       Communication protocol     Modbus TCP       Standard     IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3       Max. Parallel quantity     On-Grid: 25 pcs	Operation humidity range	0 % ~ 100 %
Temperature control method  Noise  ≤ 65 dB @ 1 m  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface  Communication protocol  Standard  Max.Parallel quantity  Intelligent liquid cooling  E 65 dB @ 1 m  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Ethernet  Modbus TCP  Standard  IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  On-Grid: 25 pcs	Operation temperature range	-30 °C ~ 50 °C ( > 45 °C derating )
Noise ≤ 65 dB @ 1 m  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface Ethernet  Communication protocol Modbus TCP  Standard IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  Max.Parallel quantity On-Grid: 25 pcs	Max. operating altitude	3000 m
Fire suppression system  Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment  Communication interface  Ethernet  Communication protocol  Modbus TCP  Standard  IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  Max.Parallel quantity  On-Grid: 25 pcs	Temperature control method	Intelligent liquid cooling
Communication interface Ethernet Communication protocol Modbus TCP Standard IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  Max.Parallel quantity On-Grid: 25 pcs	Noise	≤ 65 dB @ 1 m
aerosol fire extinguishing equipment  Communication interface Ethernet  Communication protocol Modbus TCP  Standard IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  Max.Parallel quantity On-Grid: 25 pcs	Fire suppression system	Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot
Communication protocol  Standard  Modbus TCP  IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  Max.Parallel quantity  On-Grid: 25 pcs		aerosol fire extinguishing equipment
Standard IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3  Max.Parallel quantity On-Grid: 25 pcs	Communication interface	Ethernet
Max.Parallel quantity  On-Grid: 25 pcs	Communication protocol	Modbus TCP
Max.Parallel quantity	Standard	IEC 62619, IEC 63056, IEC 62040, IEC 62477, IEC 61000, IEC 62933, UN 38.3
Off-Grid: 10 pcs	May Darallel quantity	On-Grid: 25 pcs
	Train aranor quarrety	Off-Grid: 10 pcs

