Product Features

Highly Integrated

- Secondary circuit integration, unified measurement, protection and communication
- ⊗ Integrated design of "converter" and "step-up" to realize the integrated delivery of products

Lean intelligence

- ∅ Unified external communication interface, rapid deployment and debugging
- ♂ Integrated data acquisition and optical fiber network, intelligent operation management

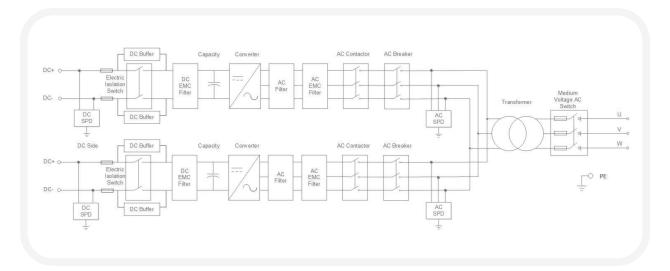
Efficient and stable

- ⊗ Advanced ANPC three-level topology, max. converter efficiency 99.03%

Flexible configuration

- Support multi-machine parallel connection, VSG, PQ, VF, cold start and other functions
- ✓ Various applications such as peak shaving, frequency modulation, auxiliary grid connection for new energy system, etc.

Function Diagram





Max. DC current 3206A 3508A 3742A 3872A Auto buffering function Yes Grid-tied AC output Rated AC output power 2000kW 2500kW 3000kW 3450kW Max. AC output power 2200kW 2750kVA 3300kVA 3795kVA Rated grid-tied voltage 440Vac 550Vac 600Vac 690Vac Grid frequency range 50Hz/60Hz Max. output current 2886A 2886A 3176A 3176A Adjustable power factor >0.99 (at rated power)/1 (leading)~1 (lagging) THDi 43% (at rated power) Off-grid AC output Rated AC output voltage 440Vac 550Vac 600Vac 690Vac Output voltage accuracy 1% 3176A 3176A THDu 50Hz/60Hz SOVEZ/60Hz Wax. efficiency 99.03% Transformer efficie		SCS2000K-P-HUD/T	SCS2500K-P-HUD/T	SCS3000K-P-HUD/T	SCS3450K-P-HUD/T
DC voltage range 700-1500Vdc 800-1500 Vdc 1000-1500 Vd	DC input				
Max. DC current 3206A 3508A 3742A 3872A Auto buffering function Yes 4400 buffering function Yes Grid-tied AC output Rated AC output power 2000kW 2500kW 3000kW 3450kW Max. AC output power 2200kW 2750kVA 3300kVA 3795kVA Rated grid-lied voitage 440Vac 550Vac 600Vac 690Vac Grid frequency range 50Hz/60Hz 50Hz/60Hz 3176A	MAX. DC voltage	1500Vdc			
Auto buffering function Grid-tied AC output Rated AC output power 2000kW 2500kW 3000kW 3450kW Max. AC output power 2200kW 2750kVA 3300kVA 3795kVA Rated grid-tied voltage 440Vac 550Vac 600Vac 690Vac Grid voltage range 50Hz/60Hz Max. output current 2886A 2886A 3176A 3176A Adjustable power factor >0.99 (at rated power)** THDi <3% (at rated power)** THDi <3% (at rated power)** Max. output voltage A40Vac 550Vac 600Vac 690Vac Off-grid AC output Rated AC output voltage 440Vac 550Vac 600Vac 690Vac Output voltage accuracy 11% Max. output current 2886A 2886A 3176A 3176A THDu <3% (ilner load) Rated output frequency 50Hz/60Hz Overloading capability 110% overland PCS Efficiency Max. efficiency Max. efficiency Rated power 2000kVA 2500kVA 3000kVA 3450kVA Voltage transformation ratio 0.44/(6-35)kV 0.55/(6-35)kV 0.6/(6-35)kV 0.69/(6-35)kV Isolation mode 0.14-merseture 35°C-60°C (>50°C derating) Relative humidity 0-100% (no condensation) Cooling type intelligent forced air cooling Dimensions (W~H~D) 6058~2896~2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-RTCP / IEC61850 /IEC104	DC voltage range	700-1500Vdc	800-1500 Vdc	900-1500 Vdc	1000-1500 Vdc
Grid-tled AC output Rated AC output power 2000kW 2500kW 3000kW 3450kW Max. AC output power 2200kW 2750kVA 3300kVA 3795kVA Rated grid-lied voltage 440Vac 550Vac 600Vac 690Vac Grid frequency range -15%-10% (settable) -50Hz/Gultable) -50Hz/Gultable) -50Hz/Gultable) -50Hz/Gultable) -376A -3176A -3000 (setable) -5000 (setable)	Max. DC current	3206A	3508A	3742A	3872A
Rated AC output power 2000kW 2500kW 3000kW 3450kW Max. AC output power 2200kW 2750kVA 3300kVA 3795kVA Rated grid-tied voltage 440Vac 550Vac 600Vac 690Vac Grid voltage range -15%-10% (settable) -15%-10% (settable) -15%-10% (settable) Grid frequency range 50Hz/60Hz -15%-10% (settable) -15%-10% (settable) Max. output current 2886A 2886A 3176A 3176A Adjustable power factor -0.99 (at rated power)/1 (leading)-1 (lagging) -1 (lagging)	Auto buffering function	Yes			
Max. AC output power 2200kW 2750kVA 3300kVA 3795kVA Rated grid-tied voltage 440Vac 550Vac 600Vac 690Vac Grid voltage range -15%-10% (settable) -15%-10% (settable) Grid frequency range 50Hz/60Hz -15%-10% (settable) Max. output current 2886A 2886A 3176A 3176A Adjustable power factor >0.99 (at rated power)/1 (leading)-1 (lagging) 116ging)-1 (lagging) -176A THDi <3% (at rated power)	Grid-tied AC output				
Rated grid-lied voltage 440Vac 550Vac 600Vac 690Vac Grid voltage range -15%-10% (settable) 600Vac 690Vac Grid voltage range -15%-10% (settable) 50Hz/60Hz Max. output current 2886A 2886A 3176A 3176A Adjustable power factor >0.99 (at rated power)/1 (leading)-1 (lagging) 1 (lagging) 2 (lagging) 2 (lagging) 2 (lagging) 2 (lagging) 3 (lagging)	Rated AC output power	2000kW	2500kW	3000kW	3450kW
Grid voltage range -15%-10% (settable) Grid frequency range 50Hz/60Hz Max. output current 2886A 2886A 3176A 3176A Adjustable power factor >0.99 (at rated power)/1 (leading)~1 (lagging) 1 (lagging) THDi <3% (at rated power)	Max. AC output power	2200kW	2750kVA	3300kVA	3795kVA
Solitation So	Rated grid-tied voltage	440Vac	550Vac	600Vac	690Vac
Max. output current 2886A 3176A 3176A Adjustable power factor >0.99 (at rated power)/1 (leading)-1 (lagging) THDi Cyling in Accoutput Rated AC output voltage 440Vac 550Vac 600Vac 690Vac Output voltage accuracy 1% Max. output current 2886A 2886A 3176A 3176A THDu <3% (liner load)	Grid voltage range		-15%~10%	(settable)	
Adjustable power factor >0.99 (at rated power)/1 (leading)~1 (lagging) THDi	Grid frequency range	50Hz/60Hz			
THDI <3% (at rated power) Off-grid AC output Rated AC output voltage 440Vac 550Vac 600Vac 690Vac Output voltage accuracy 1%	Max. output current	2886A	2886A	3176A	3176A
Off-grid AC output Ated AC output voltage 440Vac 550Vac 600Vac 690Vac Output voltage accuracy 1%	Adjustable power factor	>0.99 (at rated power)/1 (leading)~1 (lagging)			
Rated AC output voltage 440Vac 550Vac 600Vac 690Vac Output voltage accuracy 1%	THDi	<3% (at rated power)			
Output voltage accuracy 1% Max. output current 2886A 2886A 3176A 3176A THDu <3% (liner load)	Off-grid AC output				
Max. output current 2886A 2886A 3176A 3176A THDu <3% (liner load)	Rated AC output voltage	440Vac	550Vac	600Vac	690Vac
THDu <3% (liner load)	Output voltage accuracy	1%			
Rated output frequency 50Hz/60Hz Overloading capability 110% overland PCS Efficiency Max. efficiency 99.03% Transformer efficiency Rated power 2000kVA 2500kVA 3000kVA 3450kVA Voltage transformation ratio 0.44/(6-35)kV 0.55/(6-35)kV 0.6/(6-35)kV 0.69/(6-35)kV Isolation mode 0il-immersed transformer or dry type transformer General data IP5 Popration temperature -35°C~60°C (>50°C derating) Popration temperature -35°C~60°C (>50°C derating) Popration temperature Intelligent forced air cooling Popration temperature 6058×2896×2438mm Popration temperature Fopration temperature Fopr	Max. output current	2886A	2886A	3176A	3176A
Overloading capability PCS Efficiency Max. efficiency 99.03% Transformer efficiency Rated power 2000kVA 2500kVA 3000kVA 3450kVA Voltage transformation ratio 0.44/(6-35)kV 0.55/(6-35)kV 0.6/(6-35)kV 0.69/(6-35)kV Isolation mode oil-immersed transformer or dry type transformer General data IP grade IP 55 Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Veight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	THDu	<3% (liner load)			
PCS Efficiency Max. efficiency 99.03% Transformer efficiency Rated power 2000kVA 2500kVA 3000kVA 3450kVA Voltage transformation ratio 0.44/(6-35)kV 0.55/(6-35)kV 0.6/(6-35)kV 0.69/(6-35)kV Isolation mode oil-immersed transformer or dry type transformer General data IP55 Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Rated output frequency	50Hz/60Hz			
Max. efficiency 99.03% Transformer efficiency Rated power 2000kVA 2500kVA 3000kVA 3450kVA Voltage transformation ratio 0.44/(6-35)kV 0.55/(6-35)kV 0.6/(6-35)kV 0.69/(6-35)kV Isolation mode oil-immersed transformer or dry type transformer General data IP55 Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Overloading capability	110% overland			
Rated power 2000kVA 2500kVA 3000kVA 3450kVA Voltage transformation ratio 0.44/(6-35)kV 0.55/(6-35)kV 0.6/(6-35)kV 0.69/(6-35)kV Isolation mode oil-immersed transformer or dry type transformer General data IP grade IP55 Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	PCS Efficiency				
Rated power 2000kVA 2500kVA 3000kVA 3450kVA Voltage transformation ratio 0.44/(6-35)kV 0.55/(6-35)kV 0.6/(6-35)kV 0.69/(6-35)kV Isolation mode oil-immersed transformer or dry type transformer General data IP55 Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Max. efficiency		99.0	03%	
Voltage transformation ratio 0.44/(6-35)kV 0.55/(6-35)kV 0.6/(6-35)kV 0.69/(6-35)kV 0.69/(6	Transformer efficiency				
Isolation mode oil-immersed transformer or dry type transformer General data IP grade IP55 Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Rated power	2000kVA	2500kVA	3000kVA	3450kVA
General data IP grade IP 55 Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Voltage transformation ratio	0.44/(6-35)kV	0.55/(6-35)kV	0.6/(6-35)kV	0.69/(6-35)kV
IP grade Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Isolation mode	oil-immersed transformer or dry type transformer			
Operation temperature -35°C~60°C (>50°C derating) Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	General data				
Relative humidity 0~100% (no condensation) Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	IP grade	IP55			
Cooling type Intelligent forced air cooling Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Operation temperature	-35°C~60°C (>50°C derating)			
Dimensions (W×H×D) 6058×2896×2438mm Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Relative humidity	0~100% (no condensation)			
Weight 13000kg Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Cooling type	Intelligent forced air cooling			
Altitude 5000m (>3000m derating) Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Dimensions (W×H×D)	6058×2896×2438mm			
Display Touch screen Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Weight		1300	00kg	
Communication protocol Modbus-RTU / Modbus-TCP / IEC61850 /IEC104	Altitude		5000m (>300	00m derating)	
			Touch	screen	
Communication interface RS485/Ethernet	Display				
			Modbus-RTU / Modbus-	TCP / IEC61850 /IEC104	

^{*}Specification indexes may be subject to changes without further notice.

