ATESS

PCS100/250/500/630/1000



- Bidirectional battery inverter from 100kW to 630kW, can be used alone or with solar charge controller and other accessories for different application scenarios
- Paralleling multiple units
- Programmable working mode
- Touchscreen LCD
- Flexible configuration
- Support remote control of DG

	PCS100	PCS250	PCS500	PCS630	PCS1000
AC(on-grid)					
Apparent power	110kVA	275kVA	550kVA	693kVA	1100kVA
Rated power	100kW	250kW	500kW	630kW	1000kW
Rated voltage	400V				
Rated current	144A	361A	722A	909A	1443A
Voltage range	360V-440V				
Rated frequency	50/60Hz				
Frequency range	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz	45~55/55~65Hz	47-51.5/57-61.5Hz
THDI	<3%				
PF	0.8 lagging~0.8 leading				
AC connection	3/PE				
Max. rectified power	100kW	250kW	500kW	630kW	750kW
AC(off-grid)					
Apparent power	110kVA	275kVA	550kVA	693kVA	1100kVA
Rated power	100kW	250kW	500kW	630kW	1000kW
Rated voltage	400V				
Rated current	144A	361A	722A	909A	1443A
THDU	≤ 2% linear				
Rated frequency	50/60Hz				
Overload capability	110%-10 mins 120%-1 min				
Max. rectified power	100kW	250kW	500kW	630kW	750kW
DC (Battery and PV)					
Rated power	100kW	250kW	500kW	630kW	1000kW
Current regulation	±1%				
Voltage regulatoin	±1%				
Voltage ripple	<3%				
Current ripple	<2%				
Voltage range	500V-820V	500V-820V	600V-900V	600V-900V	700V-900V
Max. charge/ discharge current	220A	550A	917A	1155A	1430A
General Information					
Max. efficiency	97.10%	97.30%	98.50%	98.50%	99.0%
Protection degree	IP20				
Noise emission	<65dB(A)@1m				
Operating temperature	-25℃~+55℃				
Cooling method	Forced-air				
Relative humidity	0-95% non-condensing				
Max. altitude	6000m (derate above 3000m)				
Dimension(W/H/D)	1100/1890/850mm	1600/2080/850mm	1200/1900/800mm	1200/1900/800mm	1510/1900/850mm
Weight	820kg	1465kg	870kg	900kg	1500kg
Build-in transformer	Yes	Yes	No	No	No
Lightning protection	Type II				
Transfer between	Manual(default)				
on/off grid	Automatic(optional) ≤ 10ms				
Communication					
Display	Touch screen				
Communication	RS485/CAN				
Certificate					
CE , MEA , PEA EN 61000-6-2:2019 , EN 61000-6-4:2019 , EN61000-6-2:2005 , EN62109-1:2010 , EN62109-2:2011, NRS 097-2-1:2017, VDE 0126, UTE-C, 15-712, EN 50549-1:2019, PSE:2018-12					