



Hybrid Solar Inverter

iXCEED 8.5K48-D120
iXCEED 10.2K48-D120
iXCEED 12K48-D120



120Vac single phase and
240Vac split phase



Capable to operate without Battery



Wider PV input voltage range:
100V~500Vdc, Battery wake-up
function



Built-in dust filter kit, suitable for harsh
environments



Excellent solar MPPT
performance, efficiency up to 99%



Capable to communicate with battery
BMS by RS-485 interface

MODEL	iXCEED 8.5K48-D120	iXCEED 10.2K48-D120	iXCEED 12K48-D120
PV Array			
Max. PV Array Power	6600 W + 6600 W		9000 W + 9000 W
Max. PV Array Open-Circuit Voltage	500 VDC		
Start-up Voltage	100 VDC		
MPPT Operating Voltage Range	85-450 VDC		
Nominal Input Voltage	360 VDC		
Max. Input Current per MPPT	18 A x 2		25 A x 2
MPPT Max. Efficiency	99%		
Battery			
Battery Type	Li-ion / Lead-acid		
Nominal Battery Voltage	48 V		
Battery Voltage Range	41-58 V		
Max. AC Charging Current	80 A	100 A	
Max. PV Charging Current	140 A	160 A	
Max. Continuous Discharging Current	180 A	210 A	250 A
AC Input			
Nominal Voltage	240 Vac (split phase)		
Voltage Range	180-280 Vac		
Frequency	50/60 Hz (auto following)		
Max. Input Current	40 A	50 A	60 A
AC Output			
Nominal Voltage	115 Vac +/-5% / 230 Vac +/-5%		
Output Voltage Waveform	Pure Sine Wave		
Rated Output Power	8500 W / 8500 VA	10200 W / 10200 VA	12000 W / 12000 VA
Peak Output Power	11000 VA	14000 VA	15000 VA
Nominal Output Frequency	50/60 Hz		
Transfer Time	10 ms		
Efficiency (Peak), PV to INV	96.5%		
Efficiency (Peak), BAT to INV	93.0%		
Protection			
Over-Temperature Protection	YES		
Overload Protection	3 s @ >=150% load; 10 s @ 110%-150% load		
General Data			
Operating Temperature Range	-10 to +50°C		
Relative Humidity	0-95%		
Cooling Method	Intelligent Fan Cooling		
Display	LED + LCD		
Communication with BMS	RS485		
Degree of Protection	IP21		
Gross Weight / Net Weight (kg)	13.5 / 12.5	16 / 14.5	16 / 14.5
Package Dimensions (L x W x H), mm	605 x 430 x 201		