Single Phase Hybrid Inverter

ARCEUS **3.6KW**
6.5KW



Feed-in to the Grid	Works Without Battery
BMS Battery Management System	Built-in Wi-Fi (6.5KW) Optional Wi-Fi (3.6KW)
Dual Output	VDC Range 90-550 (6.5KW)
Parallel Operation up to 9 Units (6.5KW)	Built-in 120A MPPT solar charger (6.5KW)
5.2" LCD with touch pad	

PV - 5000 | PV - 7800



4 YEARS WARRANTY
Terms & Conditions Apply

ARCEUS 3.6KW 6.5KW

MODEL NAME	ARCEUS-3.6KW	ARCEUS-6.5KW
RATED POWER	**3600VA/3600W**	**6500VA/6500W**
AC INPUT		
Rated input voltage (VAC)	208 / 220 / 230 / 240; L + N + PE	
Voltage range (VAC)	90 ~ 280VAC ±3V(App. mode),170 ~ 264VAC ±3V(UPS mode)	
Frequency (Hz)	50 / 60 (auto adaptive)	
AC OUTPUT		
Rated capacity (KW)	3.6	6.5
Peak power (KVA)	3.6	6.5
Rated voltage (VAC)	208/220/230/240VAC ±5%	
Power factor (PF)	1.0	
Frequency	50/60 Hz 10.1%	
Switch time (ms)	10 (App. mode) / 10 (UPS mode)	
Wave form	Pure sine wave	
Overload capacity (batt. mode)	10min @102% ~ 110% load, 10S @ 110% ~ 130% load 3S @ 130% ~ 150% load, 200ms @ > 150% load	1min @102% ~ 110% load, 10s @ 110% ~ 130% load, 3s @ 130% ~ 150% load, 200ms@> 150% load
Max. efficiency (peak)	93.5% @ 24VDC	94.0%
Parallel quantity	N/A	4 units
CHARGER (PV / AC)		
Solar charger type	MPPT	
Max. PV input current / input power	18A / 5000W	27A /7800W
MPPT range@operating voltage (VDC)	40 ~ 450VDC	90 ~ 550VDC
Max. PV open circuit voltage (VDC)	500VDC	550VDC
Max. PV charge current (A)	100A	120A
Max. AC charge current (A)	100A	100A
Max. charge current (PV + AC) (A)	100A	100A
BATTERY		
Normal voltage (VDC)	24	48
Floating charge voltage (VDC)	27.6	54.0
Overcharge protection (VDC)	30	60
Battery type	Lithium / Lead-acid	Lithium / Lead-acid
INTERFACE		
HMI	5.2” LCD, display running mode/loads/input/output etc	
Interface	RS485 / CAN / USB / RS232 / dry contact	
Monitoring	Wi-fi (3.6 optional) / 6.5 (built-in)	
GENERAL SPECIFICATION		
Ingress protection	IP20	
Operating temperature	0°C to 40°C	
Relative humidity	20% to 95% (non-condensing)	
Storage temperature	-15°C to 60°C	
Net weight (Kg)	7.8	9.2
Dimensions, W*H*D (mm)	312*430*120	375*570*200
Max. operating altitude	4000m (derating above 1000m)	