

Arcturus® i-HPG One Technical Data Sheet

Model ¹	ARC1/45/12/23	ARC1/45/18/40	ARC1/60/18/48	ARC1/80/24/48	ARC1/100/24/48
AC Output Voltage (50 Hz)	230 1Ph/400 3Ph				
Power Output Connections Sockets	3 x 32 A (1Ph), 1 x 63 A (3Ph)		3 x 32 A (1Ph), 2 x 63 A (3Ph)	3 x 32 A (1Ph), 2 x 63 A (3Ph), 1 x 125 A (3Ph)	
Earth Fault Protection	Variable RCD				
Water/Ingress Protection Rating	IP65				
Weight	4600	5200	5600	5700	6200
Dimensions WxDxH (mm)	2991 x 2438 x 2591				
Fork Pocket Dimensions WxDxH (mm)	360 x 115 min., Centre To Centre 900 +/-50 <i>(Standard ISO 10' Container)</i>				
Noise Levels (dBA)	65				
Engine Speed (rpm)	1500				
Prime Power (kVA/kWe)	45/36		60/48	80/64	100/80
Standby Power (kVA/kWe)	49.6/39.7		66/53	88/70	110/88
Fuel Tank Capacity (litres)	1000				
Fuel Tank Type	Double Skinned (Bunded) With 110% Bund Capacity				
Peak Power Rating @ 25°C (kVA)	10.5	15		21	
Standby Power Rating @ 25°C - 30 mins (kVA)	12	18		24	
Surge Power Rating @ 25°C - 5 secs (kVA)	31.5	45		63	
AC Output Current (A)	56			80	
AC Input Current (A)	50 3Ph			125 (1Ph)/50 (3Ph)	
Inverter Protection	Overload, Overheat, Short Circuit, Low Battery				
Available Menu Languages	English, French, Spanish, German				
Battery Capacity (kWh) ² <i>at 80% Depth of Discharge, adjustable</i>	23	40	48		
Battery Storage Type	OPzV (Sealed Lead Acid)				
Battery Monitoring	LCD Battery Monitor (Voltage, Power In/Out, % Capacity Available, Time Available, State of Charge History)				
Charge Time (hours)	7.5				
Operating Temperature Range (°C) ³	-20° to 45°				
Remote communication & data collection package	Integrated GSM Modem To Collect System Status, Live data & Historic data, Fault & Event notification, System Control & Programming				
Solar Preparation Upgrade Package ⁴	MPPT Solar Charge Controller				
Max. Solar Array Connection (kWp) ⁴	5		7		

¹ Units with solar preparation option have /S suffix

² kWh is based on C20 rate and will vary depending on rate of discharge

Battery bank capacity may be affected by manufacturer

Battery bank capacity may be affected by charging or discharging at less than 0°C

³ Battery bank total cycle life may be affected by charging or discharging in excess of 25°C

⁴ Optional upgrade available pre or post purchase of main unit