

ARCTURUS® i-HPG

INTEGRATED HYBRID POWER GENERATOR



Arcturus® i-HPG Two Technical Data Sheet

Model ¹	ARC2/135/ 48/80	ARC2/142/ 48/80	ARC2/ 150/48(72)/ 90	ARC2/180/ 48(72)/ 100(137)	ARC2/200/ 72/137	ARC2/250/ 72/160	ARC2/350/ 72/180
AC Output Voltage (50 Hz)	230 1Ph/400 3Ph						
Power Output Connection Sockets	As Per Customer Request						
Earth Fault Protection	Variable RCD						
Water/Ingress Protection Rating	IP65						
Weight	TBC						
Dimensions WxDxH (mm)	6060 x 2430 x 2590 (Standard ISO 20' Container)						
Fork Pocket Dimensions WxDxH (mm)	360 x 115 min, Center to center 2050 +/-50 (Std ISO 20' Container)						
Noise Levels (dBA)	TBC						
System							
Engine Speed (rpm)	1500						
Prime Power (kVA/kWe)	135/108	142/114	172/138	180/144	200/160	250/200	350/280
Standby Power (kVA/kWe)	150/120	157/126	172/138	200/160	220/176	275/220	400/320
Fuel Tank Capacity (litres)	1500/2000						
Fuel Tank Type	Double Skinned (Bunded) With 110% Bund Capacity						
Genset							
Peak Power Rating @ 25°C (kVA)	42	42/63					63
Standby Power Rating @ 25°C - 30 mins (kVA)	48	48/72					72
Surge Power Rating @ 25°C - 5 secs (kVA)	144	144/189					189
AC Output Current (A)	160	160/240					240
AC Input Current (A)	100 Per Phase	100 or 150 Per Phase depending on 48 or 72 kVA Inverter output			150 Per Phase		
Inverter Protection	Overload, Overheat, Short Circuit, Low Battery						
Available Menu Languages	English, French, Spanish, German						
Battery Capacity (kWh) ² at 80% Depth of Discharge, adjustable	80	90	100	137	160	180	
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 up to 7 kWp						

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