

taylor.



PRODUCED BY



single phase
hybrid inverter

H1(G2)

Tested and supported (1st/2nd line) by taylor.

Pre-made battery, meter and taylor.gateway cable to reduce installation time

Compatible with taylor and third party EMS providers

taylor.solar

Datasheet

H1(G2)



Models	H1-3.0-E-G2	H1-3.7-E-G2	H1-4.6-E-G2	H1-5.0-E-G2	H1-6.0-E-G2
Input PV (only for hybrid)					
Max. input power (W)	4500 A:2250 B:2250	5500 A:2750 B:2750	6900 A:3450 B:3450	7500 A:3750 B:3750	9000 A:4500 B:4500
Max. input voltage (V)	600				
Start-up input voltage (V)	75				
Rated input voltage (V)	360				
MPPT operating voltage range (V)	80 ~ 550				
Max. input current (A)	16 / 16				
Max. short circuit current (A)	20 / 20				
No. of independent MPP trackers	2				
No. of strings per MPP tracker	1				
Battery connection					
Battery type	Lithium battery (LFP)				
Battery voltage (V)	80 ~ 480				
Max. charge / discharge current (A)	40				
Communication interface	CAN (communicate with inverter, upgrade BMS)				
AC input and output (grid)					
Max. AC input power (VA)	6000	7680	9200	10000	12000
Max. AC input current (per phase) (A)	27.3	34.9	41.8	45.5	54.5
Rated output power (W)	3000	3680	4600	5000	6000
Max. output apparent power (VA)	3300	4048 / 3680 ¹	5060	5500	6600
Rated output current (per phase) (A)	13.6	16.7 / 16 ¹	20.9	22.7	27.3
Rated output current (per phase) (A) (For AUS)	13.0	16.0	20.0	21.7	26.1
Max. output current (A)	15.0	18.4	23.0	25.0	30.0
Rated grid voltage (V)	220 / 230 / 240				
Rated grid frequency (Hz)	50 / 60				
Power factor	1 (adjustable from 0.8 leading to 0.8 lagging)				
THDi (%)	< 3 @rated power				
EPS output (with battery)					
Max. output apparent power (VA)	3000	3680	4600	5000	6000
Peak output apparent power (60s) (VA)	3600	4400	5500	6000	7200
Max. current (per phase) (A)	13.6	16.7	20.9	22.7	27.3
Rated output voltage (V)	220 / 230 / 240				
Rated output frequency (Hz)	50 / 60				
Power factor	1 (adjustable from 0.8 leading to 0.8 lagging)				
THDv (@linear load) (%)	< 2 @rated power				
Parallel operation (PCS)	10				
Switch time (ms)	< 20				
Efficiency					
Euro efficiency (%)	95.26	95.70	96.23	96.30	96.33
Max. efficiency (%)	97.01	97.08	97.04	97.08	97.08
Max. battery charge efficiency (PV to BAT) (@full load) (%)	98.50				
Max. battery discharge efficiency (BAT to AC) (@full load) (%)	97.00				
Protection					
Insulation monitoring	Yes				
Residual current monitoring	Yes				
DC reverse-polarity protection	Yes				
Anti-islanding protection	Yes				
AC short-circuit protection	Yes				
AC overcurrent/overvoltage protection	Yes				
DC switch	Yes				
Battery wake-up function	Yes				
SPD	DC: type II / AC: type III				
AFCI	Optional				
General data					
Dimensions (W x H x D) (mm)	434 x 418 x 185				
Weight (kg)	22				
Installation	Wall-mounted				
Topology	Non-isolated				
Cooling method	Natural				
Noise emission (dB)	35				
Max. operating altitude (m)	2000				
Operating temperature range (°C)	-25 ~ 60				
Humidity (no condensation) (%)	0 ~ 100				
Ingress protection	IP65				
Standby consumption (W)	< 15				
Monitoring module	Via taylor.gateway				
Communication	RS485, DRM, Ripple Control, USB, CAN				
Display	LCD, app, website				
Standard compliance (more available upon request)					
Safety	EN 62109-1, EN 62109-2				
Grid regulation	G98, G99, EN50549, AS / NZS 4777.2				
Warranty					
Product Warranty	10 years (backed by FOX ESS)				

¹ 3680 for G98 | V1.8 | All data and specifications are preliminary and subject to change without notice.