

taylor.

PRODUCED BY
FOX
ESS



single phase
hybrid inverter

H1(G2)-WL

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



Models	H1-3.0-E-G2-WL	H1-3.7-E-G2-WL	H1-4.6-E-G2-WL	H1-5.0-E-G2-WL	H1-6.0-E-G2-WL
Input PV (only for hybrid)					
Max. array power (Wp)	6000	7400	9200	10000	12000
Max. input power (W)	6000	7400	9200	10000	12000
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 | V1.1 | All data and specifications are preliminary and subject to change without notice.