



Model No.	CH1350L	CH2040M	CH2.0M	CH2.0S	CH3.0S	CH4.0S
LCD display	N/A		Yes			
AC IN MCB	N/A		D40			
AC OUT MCB	N/A		C16		C25	C32

## Inverter

Nominal battery voltage (VDC)	12	24		48		
Nominal input voltage range (VDC)	9~17	18~34		40~62.8		
Power 30mins @25°C (W)	1300	1700	2000	2000	3000	4000
Cont. power @25°C (W)	1100	1300	1800	1800	2700	3600
Cont. power @40°C (W)	1000	1200	1600	1600	2400	3200
Output voltage	230VAC±2%, 220/230/240VAC Settable, 50HZ±0.05%, 50/60Hz Settable					
Total harmonic distortion	< 3%					
Efficiency (MAX)	90.5%	93%	93%	96%		
Zero load power (W)	10	13	14	14	17	20
AC input range (VAC)	UPS mode	184 ~ 264				
	Weakgrid & GEN	168 ~276				
Typical transfer time	< 20ms (typical 10ms)			< 4ms		
Transfer switch (A)	16			31		

## AC Charger & Solar Charger

	PWM			MPPT		
Nominal output voltage (VDC)	12	24		48		
	25	50	100	150		
Recommended PV (W)	640	1520	2000	4000		
MPPT range (VDC)	16~19	32~37	32~100	64~140(150VDC absolute maximum coldest conditions, 140VDC start-up and operating maximum)		
Max PV short circuit current (A)	N/A	N/A		40		
Rated charging current - adjustable (A)	AC Charger	50		40	20	30
	Solar Charger	50		60		
Max charging current (A)	100	90	100	80	90	100
MPPT efficiency	N/A	N/A		99.90%		
Solar Charger Maximum efficiency	98.00%					
Battery types	AGM/GEL/LFP/FLOODED		AGM/GEL/LFP/Flooded/Lead-carbon/Traction/Semi-traction			
Temperature compensation	- 4mV / °C / cell, settable					

## Other Data

Protection	a)shortcut, b)over load ,c) over temperature, d) input voltage out of range ,e) battery low voltage disconnect ,f) battery high voltage protection ,g)fan lock					
AC out1 current (A)	N/A	N/A	16		25	32
AC out2 current (A)	N/A	N/A		40		
Auxiliary output	X1, programmable			X2, programmable		
Remote on-off	Yes			N/A		
CAN Bus communication port	N/A			Yes		
Operating ambient temperature range	-20°C~60°C					
Storage temperature range	-40°C~85°C					
Relative humidity in operation	95% without condensation					

## Mechanical Data

Dimension (mm) (max)	470 x 233 x 95			514 x 275 x 144		
Net Weight (kg)	11.6	12	20	20	22	25
Cooling	Forced fan					
Protection category	IP20			IP21		

## Standard

Safety	EN62109-1, EN62109-2		EN 62477-1 EN 62109-1, EN 62109-2			
EMC	EN61000-3-2, EN61000-3-3, EN61000-6-1, EN61000-6-3		EN61000-6-4, EN61000-6-2, EN61000-3-3, EN61000-3-2			