

# RECon 75HV Line @ 580V

RECon 75HV @ 580V -		780	1560	2340
<b>Input (DC)</b>				
Suggested DC power	kWp	900	1800	2700
Max. input current	A	850	1700	2550
Max. input voltage in open circuit	V	1500		
MPPT range	V	850-1300		
Number of MPPT trackers	-	1		
<b>Output (AC)</b>				
Rated output voltage	V	580		
Frequency	Hz	50 / 60		
Rated power@50°C	kW	740	1480	2220
Rated current	A	750	1500	2250
Power factor - rated	-	> 0,99 at rated power		
Total harmonic distortion	%	< 3		
<b>Auxiliary power</b>				
Auxiliary supply from UPS	-	230V		
Auxiliary supply voltage range	-	195 – 253V		
Standby consumption	W	75	150	225
<b>Efficiency</b>				
Maximum efficiency	%	98.6		
Euro Efficiency	%	98.4		
CEC Efficiency	%	98.2		
<b>Mechanical details</b>				
Dimensions (WxHxD)	mm	2700x2200x900	3700x2200x900	4700x2200x900
Weight	kg	1200	1800	2500
Protection class	-	IP 20 / IP54 for Outddor		
Colour	-	RAL 703		
<b>Ambient Conditions</b>				
Operating temperature range	°C	10 ÷ + 60°C		
Maximum Operating Altitude	m	2000 (without derating)		
Maximum Relative Humidity	%	95 (without condensing)		
Noise emission @ 1m/10m (1)	dB	78/58		
<b>Other Features</b>				
Cooling System	-	Forced Air		
Array grounding configuration	-	Negative grounded / Positive grounded / Floating		
Array ground fault protection	-	Isolation monitor		
AC side ground fault protection	-	Optional		
Protection against overvoltage (SPD)	-	DC Side: Yes - AC Side: Optional		
Grid Fault monitoring	-	Yes		
Thermal protection	-	Yes		
Nr. of independent AC outputs	-	1		
Maximum Nr. of DC inputs per pole	-	8 + 8	16 + 16	24 + 24
DC input currents monitoring	-	Optional		
AC side disconnection device	-	Yes - Load Break Switch with Fuses		
DC side disconnection device	-	Yes - Load Break Switch		
AC Energy Meter	-	Optional (Class 0,5)		
<b>Interfaces</b>				
Local user interface	-	Touch screen display		
String-Box communication port	-	RS485 Modbus		
PC communication port	-	RS232 - RS485 - USB		
Remote communication port	-	Ethernet		
Communication Protocol	-	Standard Modbus RTU / Modbus TCP		
Power Modulation	-	Yes - via Remote Control/PPC		
<b>Standards &amp; certifications</b>				
Product standard	-	2004/108/EC - 2006/95/EC - CEI EN 62109-1 (2010) - CEI EN 62109-2 (2012) - IEC60730 (2010) - UL1741 (2010) - UL1998 (2008) - CSA C22.2 No. 107.1-01 (2011)		
Grid requirements	-	CEI 0-16 ED. III (2012) - VDE 0126-1-1 (2006) - SAGC2.6 - IEEE1547 (2003) - IEEE1547.1 (2005)		
EMC	-	EN 61000 – 6 – 2 / EN 61000 – 6 – 4 / FCC		
Euro Efficiency	-	IEC 61683: 1999-11		
Power management functions	-	LVRT, Power factor Control, Grid Fault Support, Power / Frequency Control and Ramp Rate		