

# Photovoltaic Water Heater



	unit	10 liters	30 liters	80 liters
<b>Photovoltaic Water Heater</b>				
model		PVB-10	PVB-30	PVB-80
max. heating power	W	550	550	550
volume	l	10	30	80
rated pressure	MPa	0.7	0.7	0.7
IP Class		X1	24	24
gross weight (+/- 3 %)	kg	7.2	15	25
max. water temperature	°C	65	65	65
display		yes	yes	yes
boiler made of steel with enamel coating		yes	yes	yes
CE – certification		yes	yes	yes
dimensions (length, width, height )	cm	28 x 28 x 44	40 x 40 x 60	47 x 48 x 90
<b>PV Input</b>				
recommended solar power	Wp	100 – 200	300 – 450	800 – 1000
max. solar power	Wp	1000	1000	1000
DC input voltage range	Vdc	17 – 42.4	22 - 42.4	22- 42.4
max. DC voltage input (V <sub>oc</sub> )	Vdc	42.4	42.4	42.4
current consumption	A	0 - 15.5	0 - 15.5	0 - 15.5
max. connected short circuit current ( I <sub>sc</sub> )	A	36	36	36
MPP Tracking		yes	yes	yes
<b>External power supply (optional)</b>				
recommended power supply unit		PSU-12	PSU-18	PSU-18
power	W	62	141	141
voltage	Vdc	12	18	18
current consumption	A	0 - 5.2	0 - 7.8	0 - 7.8
adjustable temperature range for external power supply	°C	10 – 65	10 – 65	10 – 65
PV priority mode included		yes	yes	yes