

DATASHEET status	ES / preliminary			75W-48V Specification EZ-GO Model?
Security status				
general specification number or custom specification	prepared	I. Pavloff	REV	
	checked	M.C. Özkilic		
	approved	M. Honsberg		
general	DATE	20.04.2013		

Datasheet SOLAR Charging Module 75W-48V-EZ-GO Model

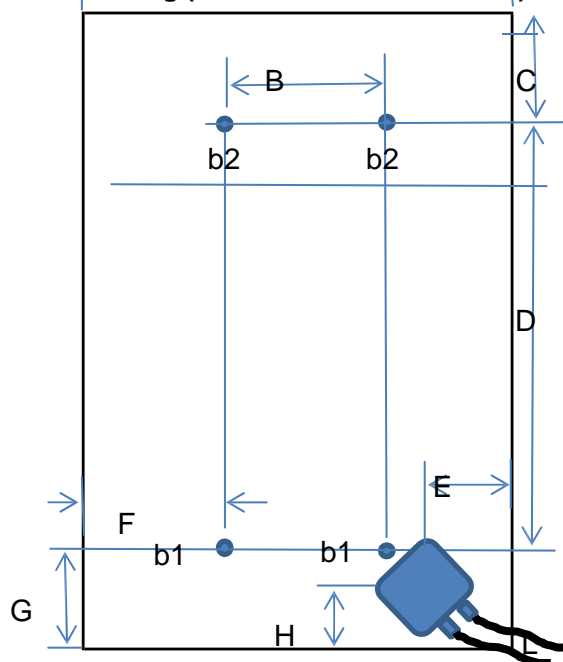
- Type: Glass-glass solar panel (120cm x 60cm) with integrated battery charger**
- Ratings and specifications (at 25°C ambient temperature):**

ITEM	Description	min	typ	max	unit	REV
VMPP	MPP voltage (STC)		48,0		V	
Vbat	Battery voltage range	43,2	48,0	57,6	V	
Veoc	End of charge voltage		54,2		V	
Vres	Resume to charging voltage		48,5		V	
Tstg	storage temperature range	-30		40	°C	
Top	operation temperature range	-30		75	°C	
IL	leakage current (Ta=25°C)		5,0		mA	
Icharge	charge current (STC)			1,57	A	
I fuse	required protective fuse			3,0	A	
P(max)	Power output (STC)			75,36	W	
IP	protection class		65		--	
L	cable length		2,5		m	

3. Notes and precautions:

- 1.) STC = Standard Test Conditions = 1000W/m², T_{cell} = 25°C, Air Mass Index = 1,5
- 2.) The SOLmini-75W-48V-EZ-GO is a derivate product of the SOLmini-75W-48V with backside mounting option dedicated for golf cars type EZ-GO model ???.
- 3.) The installation should be carried out by qualified technical personnel, the maximum voltages can reach 65V. Use a protective fuse 3A semi time lag.

4. Drawing (SOLmini-75W-48V-EZ-GO):



L= 2500mm cable length

B= 345mm

C= 1200mm-(G+D) = 148mm

D= 912mm

E= **100mm**

F= (600mm-B) / 2 = 127,5mm

G= 140mm

H= 80mm

b1= 30x30mm D x H

b2= 30x25mm D x H

mounting material set:

2 x M6 x 10mm inbus

2 x M6 x 10mm inbus

4 x washer 6,4mm x 25mm Poly

4 x washer 6,4mm x 18mm

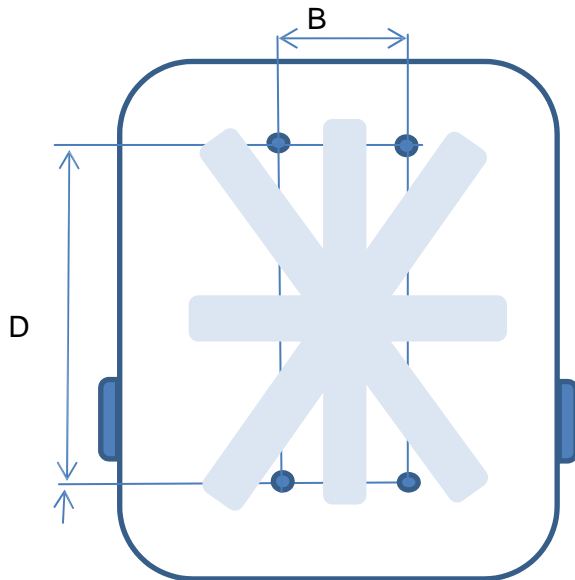
4x washer 6,4mm x 12mm

2 x rubber bump 30mm x 30mm

2 x rubber bump 30mm x 25mm

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5. Drills and holes on roof EZ-GO model ??



B= 345mm
D= 912mm

All holes 6,5mm

The mounting positions have been fixed utilizing the backside structure of the roof: Screws and washer find place in the recessed plastic part of the inner side of the roof.