

Multi-storage solar distribution station



SCPU 3 v2.2

Application :

- ▶ Middle-sized and large solar plants
- ▶ Integration with ERS ground storage
- ▶ New construction and modernisation
- ▶ Domestic, industrial and hotel buildings

- ▶ All hydraulic components are integrated (high efficiency pump, flush- and fill devices etc.)
- ▶ Low installation costs due to plug-in connections and pre-configured system parameters
- ▶ Increased solar energy yield due to optimisation of the differential gap (Dual-Pro-Logic)
- ▶ Solar station for stage-by-stage discharge of up to four temperature levels (optional)
- ▶ Use of solar energy even in cases of low solar radiation
- ▶ Higher solar benefit due to charging on several levels
- ▶ Available for left-hand or right-hand connections
- ▶ Priority switching to achieve target temperatures
- ▶ Bus enabled with controllers of the e-TALK serie
- ▶ Storage tank temperature limit function
- ▶ Complete insulation of all components
- ▶ Defrost protection
- ▶ Compact housing

**Efficient
solar use
due to
Dual-Pro-Logic**

SCPU 3 v2.0

	DN 32	DN 50
Housing		
Dimensions (W x H x D) mm	690 x 756 x 283	726 x 926 x 283
Weight kg	52 kg	65 kg
Housing / colour	powder coated steel sheet / RAL7016	
Insulation	All pipes insulated with high resistance to water diffusion	

Connections		
Collector	DN 40	DN 50
Charging level 1-3	DN 40	DN 50
Charging level 4	DN 40	DN 50
Flush- and Fill connection	DN 25	DN 25

Components		
Circulation pump	Wilo Stratos Para 25/1-12	Grundfos UPM10L 32-105 **
Max. flow rate	3500 l/h	4500 l/h
Max. system pressure	6 bar	
Stellmotor	120 sec. / 90 Grad	
Max. external pressure drop allowable*	905 mbar	580 mbar

Data	
Max. system temperature	95 °C
Min. system temperature	- 15 °C
System overpressure	9 bar
System operating temperature	10 °C - 95 °C
Resistance to glycol	40%

Controller	
Model	SCPU-3

Electrical Data	
Voltage	1 Ph / 50 Hz / 230 V
Type of protection	IP 24
Connection	3x 1,5 mm ² flexible
Protection	B 13 A - 2 pol

Product no. / Connection right	1320 0232	1320 0250
Product no. / Connection left	1321 0232	1321 0250

* at max. flow rate

** from 05-2026

Accessories

Extension Charging level SCPU-3	
DN32/40 v2.2 for connections right	1310 0018
DN32/40 v2.2 for connections left	1310 0019
DN50 v2.2 for connections right	1310 0020
DN50 v2.2 for connections left	1310 0021



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