

Multi-storage solar distribution station



IS-SCPU

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 (flow meter, 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
- ▶ Use of solar energy even in cases of low solar radiation
- ▶ Higher solar benefit due to charging on four levels
- ▶ Available for left-hand or right-hand connections
- ▶ Priority switching to achieve target temperatures
- ▶ Bus enabled with IS-Regler 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**

IS-SCPU

	DN 32	DN 50	DN 65	DN 80
Housing				
Dimensions (W x H x D) mm	785 x 935 x 349	955 x 1387 x 435	1400 x 1250 x 455	
Weight kg	50 kg	115 kg	175 kg	215 kg
Housing	powder coated steel sheet		Aluminium structure	
Insulation	All pipes insulated with high resistance to water diffusion			

Connections				
Collector	DN 32	DN 50	DN 65	DN 80
Charging level 1-3	DN 32	DN 50	DN 65	DN 80
Charging level 4	DN 32	DN 50	DN 65	DN 80
Flush- and Fill connection	DN 25	DN 25	DN 25	DN 25

Components				
Solar pump Wilo	Stratos Para 30/1-8	Stratos 50 / 1-12	Stratos 65 / 1-12	Stratos 80 / 1-12
Max. flow rate	3000 l/h	6000 l/h	9000 l/h	12000 l/h
Max. system pressure	6 bar			
Stellmotor	60 sec. / 90 Grad		120 sec. / 90 Grad	
Max. external pressure drop allowable*	650 mbar	800 mbar	780 mbar	750 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	e-TALK Sol			

Electrical Data				
Voltage	1 Ph / 50 Hz / 230 V			
Type of protection	IP 24			
Connection	3x 1,5 mm² flexible			
Protection	B 13 A - 2 pol			

Product no. / Connection right	13 10 0032	13 10 0050	13 10 0065	13 10 0080
Product no. / Connection left	13 11 0032	13 11 0050	13 11 0065	13 11 0080

* at max. flow rate



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