

# PowerBox

## SLH 26C

High-Frequency  
Battery Charger



# SLH 26C Battery Charger

## A single phase, high frequency charger, suitable for all lead-acid and lithium-ion battery types.

SLH 26C supports the charging needs of industrial mobility battery applications while providing strong reliability, and excellent utilization of the energy used for recharging. All model ranges cover low and mid battery capacities and mid nominal charge current.

### Benefits of technology & design

- ✓ **High efficiency technology** for optimal energy consumption and cost savings (up to 95%)
- ✓ **High flexibility** with multiple Sunlight charging curve options
- ✓ **Optimized charging profiles** for quality charging that extends battery life and reduce Total Cost of Ownership (TCO)
- ✓ **Easy to use** with four (3) LED charging status indicators



### Battery compatibility

#### Lead-acid batteries

SUNLIGHT PzS PzB    SUNLIGHT XtremeForce    SUNLIGHT MotionGel

#### Lead-acid charger available range

Battery voltage (V)	Nominal charge current (A)
24V	50-100A
36V	35-60A
48V	25-50A
80V	80-30A

#### Sunlight charging profiles

PzS, PzB, CSM

Charging profile	Charging time
Std 2 profile	7-8h
Std 1 profile	10-12h

PzV, PzVB

Charging profile	Charging time
Gel profile	10-14h

#### Lithium-ion batteries

SUNLIGHT LiONFORCE    SUNLIGHT LiONFORCE Lite

#### Lithium-ion charger available range

Battery voltage (V)	Nominal charge current (A)
24V	50-100A
36V	50A
48V	50A

#### Sunlight charging profiles

Sunlight Li.ON FORCE  
Sunlight Li.ON FORCE Lite

Charging profile	Charging time
Li Profile	Down to 1.5h

# Product Overview

## Technical specifications

Frequency	High frequency
Phase	Single-phase
Mains voltage	Input supply 230VAC ± 10%
Output voltage	24, 36, 48V, 80V
Energy efficiency	up to 95%
Lithium compatibility	Yes. Lithium battery ready (adding CAN BUS communication accessories)
Charging curve	- IUI for Lead Acid Batteries - Adjustable Curve for Lithium (depending on the battery needs)
Charging profiles pre-programmed	- One (1) Pre-programmed Lead Acid Sunlight charging profile (3 options to choose depending on Lead Acid battery type) - Lithium profile adaptable/defined by the battery BMS
Selectable charging profiles	Yes (via buttons & Software)
AirLift accessory	Available (requires special packaging with SLH 27C cabinet)



## Product features

LEDs indicators	Three (3) LED charging status indicators
Display	No
Cabinet size (mm)	L 200/ H 365/ W 140
Weight (kg)	7.5-8.5

## Charger selection table

Model	Charger type				Charger dimensions				Charger AC info		Charger selection - Charging time/ Battery type / Charging profile / Battery capacity range C5 (Ah)					
	Mains voltage (V) 1ph 230VAC +/- 10%	Battery voltage (V)	Nominal charge current (A)	Width	Height	Depth	Weight (kg)	AC input current (A)	Mains plug type suggestion	PzS, PzB, CSM			PzV			
										7-8h or 6.5 - 7.5h (AirLift)		10-12h		10-12h		
										Std 2 profile	Std 1 profile	Gel profile				
24 V	SLH 26C 24V50A	230VAC	24V	50A	200mm	365mm	140mm	7.5kg	7.02	Shucko 2P+T/16A	275	340	490	580	350	400
	SLH 26C 24V60A	230VAC	24V	60A	200mm	365mm	140mm	7.5kg	8.42	Shucko 2P+T/16A	330	410	590	700	420	480
	SLH 26C 24V70A	230VAC	24V	70A	200mm	365mm	140mm	7.5kg	9.83	Shucko 2P+T/16A	385	480	690	815	490	560
	SLH 26C 24V80A	230VAC	24V	80A	200mm	365mm	140mm	8.5kg	11.23	CEE 2P+T / 16A	440	545	790	930	560	640
	SLH 26C 24V90A	230VAC	24V	90A	200mm	365mm	140mm	8.5kg	12.63	CEE 2P+T / 16A	495	615	885	1050	630	720
	SLH 26C 24V100A	230VAC	24V	100A	200mm	365mm	140mm	8.5kg	14.04	CEE 2P+T / 16A	550	685	985	1165	700	800
36 V	SLH 26C 36V35A	230VAC	36V	35A	200mm	365mm	140mm	7.5kg	7.37	Shucko 2P+T/16A	195	240	345	405	245	280
	SLH 26C 36V40A	230VAC	36V	40A	200mm	365mm	140mm	7.5kg	8.42	Shucko 2P+T/16A	220	275	395	465	280	320
	SLH 26C 36V45A	230VAC	36V	45A	200mm	365mm	140mm	7.5kg	9.48	Shucko 2P+T/16A	250	305	445	525	315	360
	SLH 26C 36V50A	230VAC	36V	50A	200mm	365mm	140mm	8.5kg	10.53	CEE 2P+T 16A	275	340	490	580	350	400
	SLH 26C 36V60A	230VAC	36V	60A	200mm	365mm	140mm	8.5kg	12.63	CEE 2P+T 16A	330	410	590	700	420	480
	48 V	SLH 26C 48V25A	230VAC	48V	25A	200mm	365mm	140mm	7.5kg	7.02	Shucko 2P+T/16A	140	170	245	290	175
SLH 26C 48V30A		230VAC	48V	30A	200mm	365mm	140mm	7.5kg	8.42	Shucko 2P+T/16A	165	205	295	350	210	240
SLH 26C 48V35A		230VAC	48V	35A	200mm	365mm	140mm	7.5kg	9.83	Shucko 2P+T/16A	195	240	345	405	245	280
SLH 26C 48V40A		230VAC	48V	40A	200mm	365mm	140mm	8.5kg	11.23	CEE 2P+T 16A	220	275	395	465	280	320
SLH 26C 48V50A		230VAC	48V	50A	200mm	365mm	140mm	8.5kg	14.04	CEE 2P+T 16A	275	340	490	580	350	400
80V		SLH 26C 80V30A	230VAC	80V	30A	200mm	365mm	140mm	8.5kg	14.04	CEE 2P+T 16A	165	205	295	350	210

## Lithium-ion charger selection table

Battery voltage (V)	Charger model		Charger consumption	
	Nominal charge current (A)	Mains voltage (V) +/-10%	Power (kW)	
24 V	50A	230V	1.61	
	100A	230V	3.22	
36 V	50A	230V	2.41	
48 V	50A	230V	3.22	



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