

**SHWA25 SERIES**
**25W Multi-Plug Wall Mount for Medical Equipment**


- Wide Operating Voltage 80 to 275VAC, 47 to 63Hz
- Interchangeable AC plug(USA, UK, Europe, Australia)
- Single Output
- Input to Output : 2MOPP
- High ESD immunity
- Suitable home healthcare environment
- Suitable professional healthcare facility

**3 Year Warranty**

Approvals:

**Single Output**

Model Number	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power
SHWA25-S01	3 ~ 5 VDC	2.10 ~ 3.50 A	±5%	10.5W
SHWA25-S02	5 ~ 6 VDC	2.75 ~ 3.30 A	±5%	16.5W
SHWA25-S03	6 ~ 8 VDC	2.50 ~ 3.30 A	±5%	20W
SHWA25-S04	8 ~ 11 VDC	2.00 ~ 2.75 A	±5%	22W
SHWA25-S05	11 ~ 13 VDC	1.92 ~ 2.27 A	±5%	25W
SHWA25-S06	13 ~ 16 VDC	1.56 ~ 1.92 A	±5%	25W
SHWA25-S07	16 ~ 21 VDC	1.19 ~ 1.56 A	±5%	25W
SHWA25-S08	21 ~ 27 VDC	0.92 ~ 1.19 A	±3%	25W
SHWA25-S09	27 ~ 33 VDC	0.75 ~ 0.92 A	±3%	25W
SHWA25-S10	33 ~ 40 VDC	0.62 ~ 0.75 A	±3%	25W
SHWA25-S11	40 ~ 48 VDC	0.53 ~ 0.62 A	±3%	25W
SHWA25-S12	48 ~ 55 VDC	0.45 ~ 0.53 A	±3%	25W

SHWA25-S01~S04 required to use AWG#18×2C/4FT output cable.

SHWA25-S05~S09 required to use AWG#20×2C/4FT output cable.

SHWA25-S10~S12 required to use AWG#22×2C/4FT output cable.

The regulation and efficiency will be changed by modified output cable.

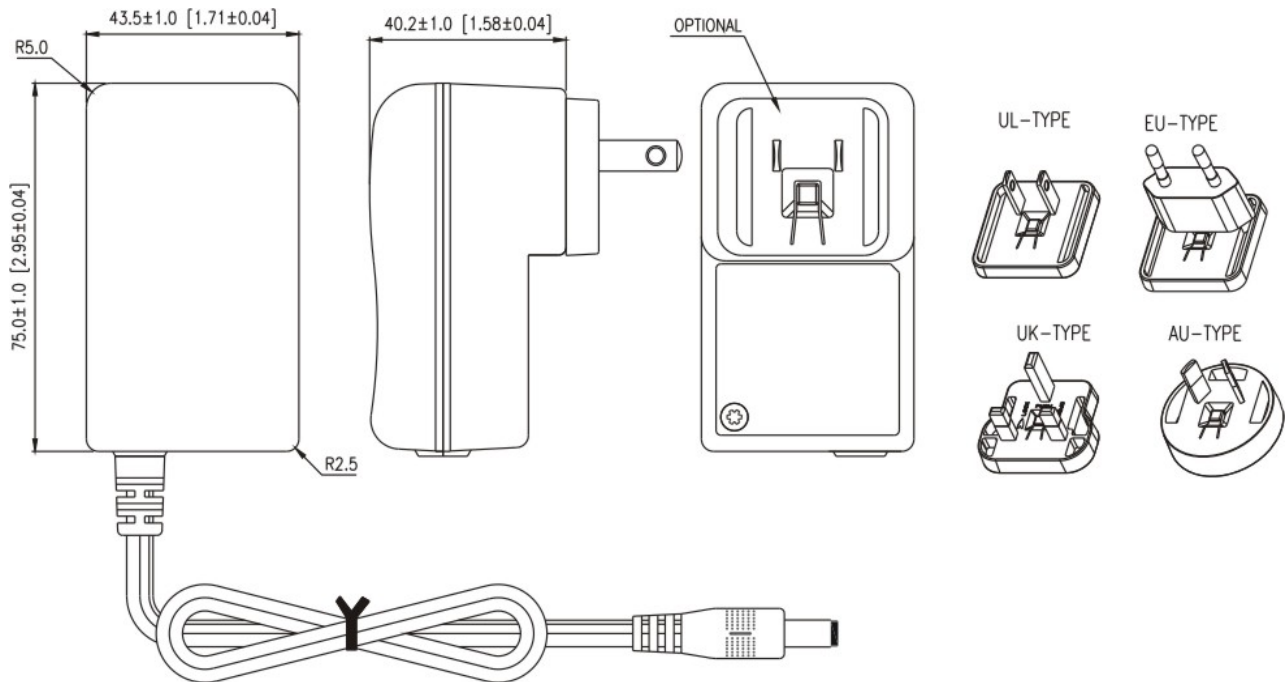
**Electrical Characteristics**

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Safety Approvals Input Voltage Range	Safety Approval & Specification in Label	100		240	VAC
Operate Voltage Range	Derate linearly from 100% load at 90VAC to 80% load at 80VAC	80		275	VAC
Input Frequency	Sine wave	47		63	Hz
Output Power Range	See Rating Chart			25	W
Low Line Input Current	Full load, Vin=100VAC			0.70	A
High Line Input Current	Full load, Vin=240VAC			0.40	A
Low Line Input Inrush Current	Full load, 25°C, Cool start, Vin=100VAC			65	A
High Line Input Inrush Current	Full load, 25°C, Cool start, Vin=240VAC			165	A
Efficiency	Full Load, Vin=230VAC	65		86	%
Line Regulation	Full Load, Vin=100~120VAC			1	%
Over Load Protection	Recovers automatically after fault condition is removed	110		150	%
Time of Transient Response	Io=Full Load to Half Load, Vin=110VAC			4	ms
Hold-Up Time	Full Load, Vin=100VAC			12	ms
Start Up Time	Full Load, Vin=100~240VAC			3	s
* Ripple & Noise (Peak to Peak)			1	2	%
Temperature Coefficient	All output			±0.04	%/°C
Dielectric Withstanding Voltage(P-S)	Primary to Secondary, limit current<10mA			4000	VAC
EMC Emission	Compliance to EN55011(CISPR11), EN60601-1-2	B			Class

### Environmental

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature	Derate linearly from 100% load at 40 to 50% load at 70	-10		70	°C
Storage Temperature	10~95% RH	-40		85	°C
Operating Humidity	non-condensing	0		95%	RH
Storage Humidity		0		95%	RH
Electro Static Discharge	Air Discharge, IEC61000-4-2			15	KV
Electro Static Discharge	Contact Discharge, IEC61000-4-2			8	KV
Mean Time Between Failure	Operation Temperature at 25 , Calculated per MIL-HDBK-217F	200K			h
Operating Altitude (Elevation)	All Condition			3000	m
Vibration	10~500Hz,10min./1cycle, 60min.each along X, Y, Z axes			5	G
Surge Voltage	Line-Neutral			1	KV
Surge Voltage	Line-PE & Neutral-PE			2	KV

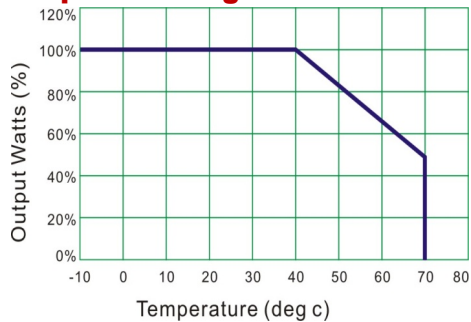
### Mechanical Drawing and Technical Chart



**Note:**

1. Dimensions are shown in mm.
2. Weight: 200g approx.
3. Optional output connector.

**Output Derating Chart:**



1. Operating Temperature: -10 to 70°C
2. Derate linearly from 100% load at 40°C to 50% load at 70°C