

GPSN25x-13A, GP25x-13A	5V/ 2.5A	12V/ 1.2A	-5V/ 0/3A	28.5W
GPSN25x-14A, GP25x-14A		15V/ 1.0A		29W
GPSN25x-13, GP25x-13		12V/ 1.5A	--	30.5W
GPSN25x-13D, GP25x-13D		12V/ 1.0A	-12V/ 0.3A	28W
GPSN25x-14, GP25x-14		15V/ 1.2A	--	30.5W
GPSN25x-14E, GP25x-14E		15V/ 0.8A	-15V/ 0.3A	29W
GPSN25x-16, GP25x-16		24V/ 0.8A	--	31.7W
GPSN25x-3D, GP25x-3D	11-16V/ 1.05A	--	-11 - -16V/ 1.05A	33.6W
GPSN25x-58F, GP25x-58F	16-21V/ 1.05-0.8A	48-58V/ 0.087-0.072A	-16V - -21V/ 1.05-0.8A	37.77W

- Model different:
 - All models in each series are similar to each other except for output rating and transformer source.
 - GPSN25x-y series is identical to GP25x-y series.

Definition of variable(s):

Variable:	Range of variable:	Content:
x	B or D	Denotes the different appliance inlet types. - B= C8 type appliance inlet. - D= with non-detachable power cord with plug
y	13, 13A, 13D, 14, 14A, 14E, 16, 3D or 58F	Denotes the different output rating of voltage/current
v	E, U or Blank	Denotes the different shape. - E= with non-detachable power cord with EU plug - U= with non-detachable power cord with US plug - Blank= with appliance inlet
z	0 to 9, A to Z or dash or blank	For marketing purpose and no impact safety related critical components and constructions

ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:	
(Note 1: Identify the following six (6) energy source forms based on the origin of the energy.) (Note 2: The identified classification e.g., ES2, TS1, should be with respect to its ability to cause pain or injury on the body or its ability to ignite a combustible material. Any energy source can be declared Class 3 as a worse case classification e.g. PS3, ES3.)	
Electrically-caused injury (Clause 5): (Note: Identify type of source, list sub-assembly or circuit designation and corresponding energy source classification) Example: +5 V dc input ES1	
Source of electrical energy	Corresponding classification (ES)
All circuits within enclosure	ES3
Accessible part of AC inlet or non-detachable power cord with plug	ES3
Output connector	ES1
Electrically-caused fire (Clause 6): (Note: List sub-assembly or circuit designation and corresponding energy source classification) Example: Battery pack (maximum 85 watts): PS2	
Source of power or PIS	Corresponding classification (PS)
All circuits (over 100W)	PS3
Output (under 100W)	PS2
Injury caused by hazardous substances (Clause 7) (Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.) Example: Liquid in filled component Glycol	
Source of hazardous substances	Corresponding chemical
N/A	N/A
Mechanically-caused injury (Clause 8) (Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.) Example: Wall mount unit MS2	
Source of kinetic/mechanical energy	Corresponding classification (MS)
Sharp edges and corners	MS1
Equipment mass – mass < 7 kg	MS1
Thermal burn injury (Clause 9) (Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.) Example: Hand-held scanner – thermoplastic enclosure TS1	
Source of thermal energy	Corresponding classification (TS)
Plastic enclosure	TS1, External surfaces touched occasionally for very short periods (>1 s and < 10 s), 77°C

ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:	
Radiation (Clause 10) (Note: List the types of radiation present in the product and the corresponding energy source classification.) Example: DVD – Class 1 Laser Product RS1	
Type of radiation	Corresponding classification (RS)
LED indicator	RS1

ENERGY SOURCE DIAGRAM
Indicate which energy sources are included in the energy source diagram. Insert diagram below
<ul style="list-style-type: none"> • ES3 (all circuits except DC output), ES1 (DC output) • PS3 (all circuits within the enclosure), PS2 (for output connector)
<input type="checkbox"/> ES <input type="checkbox"/> PS <input type="checkbox"/> MS <input type="checkbox"/> TS <input type="checkbox"/> RS

OVERVIEW OF EMPLOYED SAFEGUARDS				
Clause	Possible Hazard			
5.1	Electrically-caused injury			
Body Part (e.g. Ordinary)	Energy Source (ES3: Primary Filter circuit)	Safeguards		
		Basic	Supplementary	Reinforced(Enclosure)
Ordinary	ES3: Accessible pins of inlet or non-detachable power cord with plug	N/A	N/A	Bleeder Resistors
Ordinary	ES3: Primary circuits	N/A	N/A	Plastic enclosure
Ordinary	ES3: Secondary circuits within the enclosure	N/A	N/A	Plastic enclosure
Ordinary	ES1: Output connector	N/A	N/A	N/A
6.1	Electrically-caused fire			
Material part (e.g. mouse enclosure)	Energy Source (PS2: 100 Watt circuit)	Safeguards		
		Basic	Supplementary	Reinforced
Combustible materials within equipment fire enclosure	PS3: > 100 Watt circuit (all circuits)	Equipment safeguard (no ignition occurs)	N/A	N/A
Internal wiring material	PS3: > 100 Watt circuit	N/A	Equipment safeguard	N/A
Plastic enclosure	PS3: > 100 Watt circuit (Primary and secondary circuits)	N/A	Equipment safeguards (Control of fire spread)	N/A
Output connector and wiring material	PS2: < 100 Watt circuit	N/A	Equipment safeguards	N/A
7.1	Injury caused by hazardous substances			
Body Part (e.g., skilled)	Energy Source (hazardous material)	Safeguards		
		Basic	Supplementary	Reinforced
N/A	N/A	N/A	N/A	N/A
8.1	Mechanically-caused injury			
Body Part (e.g. Ordinary)	Energy Source (MS3: High Pressure Lamp)	Safeguards		
		Basic	Supplementary	Reinforced (Enclosure)
Ordinary	MS1: Sharp edge and corners	N/A	N/A	N/A
Ordinary	MS1: Equipment mass – mass < 7 kg	N/A	N/A	N/A

9.1	Thermal Burn			
Body Part (e.g., Ordinary)	Energy Source (TS2)	Safeguards		
		Basic	Supplementary	Reinforced
Ordinary	TS1: Plastic enclosure ($< 77^{\circ}\text{C}$ for >1 s and < 10 s)	N/A	N/A	N/A
10.1	Radiation			
Body Part (e.g., Ordinary)	Energy Source (Output from audio port)	Safeguards		
		Basic	Supplementary	Reinforced
Ordinary	RS1: LED indicator	N/A	N/A	N/A
Supplementary information: (1) See attached energy source diagram for additional details. (2) "N" – Normal Condition; "A" – Abnormal Condition; "S" – Single Fault.				

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
4	GENERAL REQUIREMENTS		P
4.1.1	Acceptance of materials, components and subassemblies	See appended table 4.1.2.	P
4.1.2	Use of components	Components which are certified to IEC/EN and/or national standards are used correctly within their ratings. Components not covered by IEC/EN standards are tested under the conditions present in the equipment.	P
4.1.3	Equipment design and construction		P
4.1.15	Markings and instructions	(See Annex F)	P
4.4.4	Safeguard robustness	See below.	P
4.4.4.2	Steady force tests	(See Annexes T.5)	P
4.4.4.3	Drop tests	(See Annex T.7).	P
4.4.4.4	Impact tests	The plastic enclosure was evaluated as a fire enclosure. No hazards as result from the steel ball impact test. (See Annex T.6).	P
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	No such part.	N/A
4.4.4.6	Glass Impact tests.....	No such glass used.	N/A
4.4.4.7	Thermoplastic material tests	For the all sources of safeguard which listed in appended table 4.1.2 are tested for a period of 7 hours (See Annex T.8).	P
4.4.4.8	Air comprising a safeguard	(See Annex T)	P
4.4.4.9	Accessibility and safeguard effectiveness	No damaged. All other safeguards remain effective during and after above tests.	P
4.5	Explosion	No explosion occurs during normal/abnormal operation and single fault conditions.	P
4.6	Fixing of conductors	See below.	P
4.6.1	Fix conductors not to defeat a safeguard	Compliance checked.	P
4.6.2	10 N force test applied to	10N applied to all components (See appended table 5.4.2.2, 5.4.2.4 and 5.4.3).	P
4.7	Equipment for direct insertion into mains socket - outlets		N/A
4.7.2	Mains plug part complies with the relevant standard		N/A
4.7.3	Torque (Nm)		N/A
4.8	Products containing coin/button cell batteries		N/A