

# SUVIK ELECTRONICS PVT. LTD.

## ONLINE UPS

### Input / Output power cable sizing & specification (Client's scope)

DOC.NO.	SE/UPS Cable sizing Spec/02/12
DATE	28.02.2012
REV	Nil
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#### UPS Type: 1-1, Without IT, Without Battery, Front End IGBT Rectifier

Series	Model	KVA	PF	KW	Type	DC Link	IT	Input Supply	Output Supply	Input Cable (CU)	Output Cable (CU)	* Input Cable (All.)	* Output Cable (All.)
MF	MF1101L3	1	0.7	0.7	1-1	36	NO	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz	INCLUDED WITH UPS	3Pin 5A PlugX3	NA	NA
MF	MF1102L8	2	0.7	1.4	1-1	96	NO	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz		3Pin 5A PlugX4		NA
MF	MF1103L8	3	0.7	2.1	1-1	96	NO	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz		3Pin 5A PlugX4		NA

#### UPS Type: 1-1, With IT, Without Battery

Series	Model	KVA	PF	KW	Type	DC Link	IT	Input Supply	Output Supply	Input Cable (CU)	Output Cable (CU)	* Input Cable (All.)	* Output Cable (All.)
HC	HC1103L16	3	0.7	2.1	1-1	192	YES	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz	4Sq.mm.	4Sq.mm.	NA	NA
HC	HC1105L16	5	0.7	3.5	1-1	192	YES	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz	6Sq.mm.	4Sq.mm.	10Sq.mm.	NA
HX	HX1105L16	5	0.7	3.5	1-1	192	YES	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz	6Sq.mm.	4Sq.mm.	10Sq.mm.	NA
HX	HX1106L16	6	0.7	4.2	1-1	192	YES	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz	10Sq.mm.	6Sq.mm.	16Sq.mm.	10Sq.mm.
HX	HX1108L16	8	0.7	5.6	1-1	192	YES	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz	10Sq.mm.	10Sq.mm.	16Sq.mm.	16Sq.mm.
HX	HX1110L16	10	0.7	7.0	1-1	192	YES	230V, 1-Ph, 50 Hz	230V, 1-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.

#### UPS Type: 3-1, With IT, Without Battery

Series	Model	KVA	PF	KW	Type	DC Link	IT	Input Supply	Output Supply	Input Cable (CU)	Output Cable (CU)	* Input Cable (All.)	* Output Cable (All.)
HX	HX3110L16	10	0.7	7	3-1	192	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	10Sq.mm.	16Sq.mm.	16Sq.mm.	25Sq.mm.
HX	HX3115L16	15	0.7	11	3-1	192	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.
HX	HX3120L16	20	0.7	14	3-1	192	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	16Sq.mm.	25Sq.mm.	25Sq.mm.	35Sq.mm.
HX II	HXII3115L16	15	0.7	11	3-1	192	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.
HX II	HXII3120L16	20	0.7	14	3-1	192	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	16Sq.mm.	25Sq.mm.	25Sq.mm.	35Sq.mm.
DS II	DSII3125L29	25	0.7	18	3-1	348	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	25Sq.mm.	35Sq.mm.	35Sq.mm.	50Sq.mm.
DS II	DSII3130L29	30	0.7	21	3-1	348	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	25Sq.mm.	50Sq.mm.	35Sq.mm.	70Sq.mm.
DS II	DSII3140L29	40	0.7	28	3-1	348	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	35Sq.mm.	95Sq.mm.	50Sq.mm.	150Sq.mm.
DS II	DSII3160L29	60	0.7	42	3-1	348	YES	400V, 3-Ph, 50 Hz	230V, 1-Ph, 50 Hz	50Sq.mm.	185Sq.mm.	70Sq.mm.	300Sq.mm.

#### UPS Type: 3-3, With IT, Without Battery, Front End IGBT Rectifier

Series	Model	KVA	PF	KW	Type	DC Link	IT	Input Supply	Output Supply	Input Cable (CU)	Output Cable (CU)	* Input Cable (All.)	* Output Cable (All.)
GTT	GTT3320L54	20	0.8	16	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.
GTT	GTT3330L54	30	0.8	24	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.
GTT	GTT3340L54	40	0.8	32	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	25Sq.mm.	16Sq.mm.	35Sq.mm.	25Sq.mm.
GTT	GTT3360L54	60	0.8	48	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	35Sq.mm.	25Sq.mm.	50Sq.mm.	35Sq.mm.
GTT	GTT3380L54	80	0.8	64	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	50Sq.mm.	35Sq.mm.	70Sq.mm.	50Sq.mm.
GTT	GTT33100L54	100	0.8	80	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	95Sq.mm.	70Sq.mm.	150Sq.mm.	120Sq.mm.
GTT	GTT33120L54	120	0.8	96	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	95Sq.mm.	95Sq.mm.	150Sq.mm.	150Sq.mm.
GTT	GTT33160L54	160	0.8	128	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	120Sq.mm.	120Sq.mm.	185Sq.mm.	185Sq.mm.
GTT	GTT33200L54	200	0.8	160	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	185Sq.mm.	185Sq.mm.	300Sq.mm.	300Sq.mm.
GTT	GTT33250L54	250	0.8	200	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	240Sq.mm.	240Sq.mm.	400Sq.mm.	400Sq.mm.
GTT	GTT33300L54	300	0.8	240	3-3	648	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	300Sq.mm.	300Sq.mm.	500Sq.mm.	500Sq.mm.

#### UPS Type: 3-3, Without IT, Without Battery, Front End IGBT Rectifier

Series	Model	KVA	PF	KW	Type	DC Link	IT	Input Supply	Output Supply	Input Cable (CU)	Output Cable (CU)	* Input Cable (All.)	* Output Cable (All.)
GT	GT3310L30	10	0.8	8	3-3	360	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	10Sq.mm.	10Sq.mm.	16Sq.mm.	16Sq.mm.
GT	GT3315L30	15	0.8	12	3-3	360	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	16Sq.mm.	10Sq.mm.	25Sq.mm.	16Sq.mm.
GT	GT3320L30	20	0.8	16	3-3	360	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.
GT	GT3330L62	30	0.8	24	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.
GT	GT3340L62	40	0.8	32	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	25Sq.mm.	16Sq.mm.	35Sq.mm.	25Sq.mm.
GT	GT3360L62	60	0.8	48	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	35Sq.mm.	25Sq.mm.	50Sq.mm.	35Sq.mm.
GT	GT3380L62	80	0.8	64	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	50Sq.mm.	35Sq.mm.	70Sq.mm.	50Sq.mm.
GT	GT33100L62	100	0.8	80	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	95Sq.mm.	70Sq.mm.	150Sq.mm.	120Sq.mm.
GT	GT33120L62	120	0.8	96	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	95Sq.mm.	95Sq.mm.	150Sq.mm.	150Sq.mm.
GT	GT33160L62	160	0.8	128	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	120Sq.mm.	120Sq.mm.	185Sq.mm.	185Sq.mm.
GT	GT33200L62	200	0.8	160	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	185Sq.mm.	185Sq.mm.	300Sq.mm.	300Sq.mm.
GT	GT33250L62	250	0.8	200	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	240Sq.mm.	240Sq.mm.	400Sq.mm.	400Sq.mm.
GT	GT33300L62	300	0.8	240	3-3	744	NO	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	300Sq.mm.	300Sq.mm.	500Sq.mm.	500Sq.mm.

#### UPS Type: 3-3, With IT, Without Battery

Series	Model	KVA	PF	KW	Type	DC Link	IT	Input Supply	Output Supply	Input Cable (CU)	Output Cable (CU)	* Input Cable (All.)	* Output Cable (All.)
eP	eP3310L29	10	0.7	7	3-3	348	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	10Sq.mm.	10Sq.mm.	16Sq.mm.	16Sq.mm.
eP	eP3315L29	15	0.7	11	3-3	348	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	16Sq.mm.	10Sq.mm.	25Sq.mm.	16Sq.mm.
eP	eP3320L29	20	0.7	14	3-3	348	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.
eP	eP3330L32	30	0.8	24	3-3	384	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	16Sq.mm.	16Sq.mm.	25Sq.mm.	25Sq.mm.
eP	eP3340L32	40	0.8	32	3-3	384	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	25Sq.mm.	16Sq.mm.	35Sq.mm.	25Sq.mm.
eP	eP3360L32	60	0.8	48	3-3	384	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	35Sq.mm.	25Sq.mm.	50Sq.mm.	35Sq.mm.
eP	eP3380L32	80	0.8	64	3-3	384	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	50Sq.mm.	35Sq.mm.	70Sq.mm.	50Sq.mm.
eP	eP33100L32	100	0.8	80	3-3	384	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	95Sq.mm.	70Sq.mm.	150Sq.mm.	120Sq.mm.
eP	eP33120L40	120	0.8	96	3-3	480	YES	400V, 3-Ph, 50 Hz	400V, 3-Ph, 50 Hz	95Sq.mm.	95Sq.mm.	120Sq.mm.	120Sq.mm.

#### Electrical Specifications :

\_\_\_\_\_Sq.mm.,4Core,1100Volts Grade ,XLPE Insulated & PVC Sheathed ,Copper Conductor, GL Armoured Cable as per IS 7098

\* Dim.from industry source size of cable may very depending on Current load requirment ,location,and Application

SUVIK ELECTRONICS PVT. LTD.

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