N
Power Plan
2026-07-01

Grid N

N	SP/200kVA
	2 × 400A 3ϕ
P_0	200 kVA
U	433 V
Z_e	0.1294 Ω (13.8 %)
Load	280.1 kW

400A 3ϕ 150mm² 10m + 50m + 50m (4.1m spare)

N Battery	BATTERY 150 150
400A 3ϕ	400A 3ϕ
Z_s	0.1313 Ω
$I_{pf\ (L-N)}$	1904.5 A ($4.8I_n$)
V_{drop}	1.23 V (248.8 V)
Load	280.1 kW

400A 3ϕ 150mm² 5m (2.5m spare)

Main N	PPS/800 BUSBOX MODDED
400A 3ϕ	3 × 400A 3ϕ
Z_s	0.1332 Ω
$I_{pf\ (L-N)}$	1877.3 A ($4.7I_n$)
V_{drop}	2.46 V (247.5 V)
Load	280.1 kW

400A 3ϕ 150mm² 25m (0.2m spare)

400A 3ϕ 150mm² 5m + 25m (2.8m spare)

Main Workshop1	PPS/400 T1
400A 3ϕ	400A 3ϕ
	3 × 125A 3ϕ
	3 × 63A 3ϕ
	4 × 32A 3ϕ
	3 × 32A 1ϕ
	3 × 16A 1ϕ
Z_s	0.175 Ω
$I_{pf\ (L-N)}$	1428.8 A ($3.6I_n$)
V_{drop}	9.32 V (240.7 V)
Load	71.10000000000001 kW
Max final circuit length	51.89 m @ 32 A (4.0 mm²) 41.65 m @ 16 A (1.5 mm²) 36.03 m @ 16 A (1.25 mm²)

400A 3ϕ 150mm² 10m + 50m + 50m (4.1m spare)

125A 3ϕ 35mm² 20m (0.2m spare)

H3A	PPS/125 T1
125A 3ϕ	125A 3ϕ
	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.259 Ω
$I_{pf\ (L-N)}$	965.34 A ($7.7I_n$)
V_{drop}	16.2 V (233.8 V)
Load	35.5 kW
Max final circuit length	48.39 m @ 32 A (4.0 mm²) 40.34 m @ 16 A (1.5 mm²) 34.89 m @ 16 A (1.25 mm²)

125A 3ϕ 35mm² 20m (0.3m spare)

North East Split	PPS/125 T3
125A 3ϕ	2 × 63A 3ϕ
Z_s	0.283 Ω
$I_{pf\ (L-N)}$	883.47 A ($7.1I_n$)
V_{drop}	17.4 V (232.6 V)
Load	21.0 kW

63A 3ϕ 16mm² 10m + 20m (1.5m spare)

H3B	PPS/63 T2
63A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.34 Ω
$I_{pf\ (L-N)}$	735.34 A ($11.7I_n$)
V_{drop}	17.8 V (232.2 V)
Load	8.5 kW
Max final circuit length	45.02 m @ 32 A (4.0 mm²) 39.08 m @ 16 A (1.5 mm²) 33.8 m @ 16 A (1.25 mm²)

32A 6mm² 10m + 20m (1.2m spare)

32A 6mm² 5m (1.2m spare)

Workshop 4	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.478 Ω
$I_{pf\ (L-N)}$	523.03 A ($16.3I_n$)
V_{drop}	16.7 V (233.3 V)
Load	1.0 kW
Max final circuit length	39.27 m @ 32 A (4.0 mm²) 36.92 m @ 16 A (1.5 mm²) 31.93 m @ 16 A (1.25 mm²)

H3A-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.2955 Ω
$I_{pf\ (L-N)}$	846.09 A ($26.4I_n$)
V_{drop}	16.4 V (233.6 V)
Load	2.0 kW
Max final circuit length	43.26 m @ 13 A (1.25 mm²)

63A 3ϕ 16mm² 20m + 50m (3.0m spare)

H6	PPS/63 T2
63A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.526 Ω
$I_{pf\ (L-N)}$	475.3 A ($7.5I_n$)
V_{drop}	15.3 V (234.7 V)
Load	5.5 kW
Max final circuit length	37.27 m @ 32 A (4.0 mm²) 36.17 m @ 16 A (1.5 mm²) 31.28 m @ 16 A (1.25 mm²)

32A 6mm² 10m + 20m (0.8m spare)

H6-1	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.556 Ω
$I_{pf\ (L-N)}$	449.65 A ($14.1I_n$)
V_{drop}	13.4 V (236.6 V)
Load	1.0 kW
Max final circuit length	36.02 m @ 32 A (4.0 mm²) 35.7 m @ 16 A (1.5 mm²) 30.88 m @ 16 A (1.25 mm²)

63A 3ϕ 16mm² 10m + 50m (3.5m spare)

Badge Ext	PPS/63 T1
63A 3ϕ	63A 3ϕ
	32A 3ϕ
	6 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.337 Ω
$I_{pf\ (L-N)}$	741.89 A ($11.8I_n$)
V_{drop}	12.9 V (237.1 V)
Load	9.6 kW
Max final circuit length	45.14 m @ 32 A (4.0 mm²) 39.12 m @ 16 A (1.5 mm²) 33.84 m @ 16 A (1.25 mm²)

32A 6mm² 10m (0.6m spare)

32A 6mm² 20m (2.1m spare)

Badge	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.41 Ω
$I_{pf\ (L-N)}$	609.79 A ($19.1I_n$)
V_{drop}	13.1 V (236.9 V)
Load	1.0 kW
Max final circuit length	42.1 m @ 32 A (4.0 mm²) 37.98 m @ 16 A (1.5 mm²) 32.85 m @ 16 A (1.25 mm²)

East Toilets	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.483 Ω
$I_{pf\ (L-N)}$	517.62 A ($16.2I_n$)
V_{drop}	12.9 V (237.0 V)
Load	0.1 kW
Max final circuit length	39.06 m @ 32 A (4.0 mm²) 36.84 m @ 16 A (1.5 mm²) 31.86 m @ 16 A (1.25 mm²)

63A 3ϕ 16mm² 20m + 50m (6.1m spare)

F3	PPS/63 T2
63A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.364 Ω
$I_{pf\ (L-N)}$	686.85 A ($10.9I_n$)
V_{drop}	14.3 V (235.7 V)
Load	11.5 kW
Max final circuit length	44.02 m @ 32 A (4.0 mm²) 38.7 m @ 16 A (1.5 mm²) 33.47 m @ 16 A (1.25 mm²)

32A 3ϕ 6mm² 20m + 20m (2.8m spare)

32A 6mm² 10m + 20m (3.5m spare)

32A 6mm² 10m (4.6m spare)

Workshop 2	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.583 Ω
$I_{pf\ (L-N)}$	428.83 A ($13.4I_n$)
V_{drop}	14.8 V (235.1 V)
Load	1.0 kW
Max final circuit length	34.89 m @ 32 A (4.0 mm²) 35.28 m @ 16 A (1.5 mm²) 30.51 m @ 16 A (1.25 mm²)

F3-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.437 Ω
$I_{pf\ (L-N)}$	572.11 A ($17.9I_n$)
V_{drop}	14.5 V (235.5 V)
Load	1.0 kW
Max final circuit length	41.34 m @ 13 A (1.25 mm²)

32A 3ϕ 6mm² 20m + 20m (4.7m spare)

G3	PPS/32 T1
32A 3ϕ	32A 3ϕ
	3 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.467 Ω
$I_{pf\ (L-N)}$	535.35 A ($16.7I_n$)
V_{drop}	16.1 V (233.9 V)
Load	10.0 kW
Max final circuit length	39.73 m @ 32 A (4.0 mm²) 37.09 m @ 16 A (1.5 mm²) 32.08 m @ 16 A (1.25 mm²)

32A 3ϕ 6mm² 20m + 20m (1.7m spare)

F4	PPS/32 T1
32A 3ϕ	32A 3ϕ
	3 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.759 Ω
$I_{pf\ (L-N)}$	329.39 A ($10.3I_n$)
V_{drop}	19.4 V (230.6 V)
Load	5.0 kW
Max final circuit length	27.56 m @ 32 A (4.0 mm²) 32.53 m @ 16 A (1.5 mm²) 28.13 m @ 16 A (1.25 mm²)

32A 6mm² 5m (1.8m spare)

F4-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.7955 Ω
$I_{pf\ (L-N)}$	314.27 A ($9.8I_n$)
V_{drop}	19.6 V (230.4 V)
Load	2.0 kW
Max final circuit length	36.5 m @ 13 A (1.25 mm²)

32A 6mm² 20m (2.7m spare)

G3-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.3575 Ω
$I_{pf\ (L-N)}$	699.34 A ($21.9I_n$)
V_{drop}	9.74 V (240.2 V)
Load	1.0 kW
Max final circuit length	42.42 m @ 13 A (1.25 mm²)

Workshop 1	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.321 Ω
$I_{pf\ (L-N)}$	778.87 A ($24.3I_n$)
V_{drop}	9.66 V (240.3 V)
Load	1.0 kW
Max final circuit length	45.81 m @ 32 A (4.0 mm²) 39.37 m @ 16 A (1.5 mm²) 34.05 m @ 16 A (1.25 mm²)

125A 3ϕ 35mm² 5m + 10m (2.6m spare)

Kitchen Kitchen	PPS/125 T2
125A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	12 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.1607 Ω
$I_{pf\ (L-N)}$	1556.0 A ($12.4I_n$)
V_{drop}	6.2 V (243.8 V)
Load	38.0 kW
Max final circuit length	52.49 m @ 32 A (4.0 mm²) 41.88 m @ 16 A (1.5 mm²) 36.22 m @ 16 A (1.25 mm²)

63A 3ϕ 16mm² 50m (0.3m spare)

F5	PPS/63 T2
63A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.2777 Ω
$I_{pf\ (L-N)}$	900.33 A ($14.3I_n$)
V_{drop}	9.45 V (240.5 V)
Load	15.5 kW
Max final circuit length	47.61 m @ 32 A (4.0 mm²) 40.05 m @ 16 A (1.5 mm²) 34.64 m @ 16 A (1.25 mm²)

63A 3ϕ 16mm² 50m (9.5m spare)

Stage B	ENLX/18WAY
63A 3ϕ	32A 3ϕ
	21 × 16A 1ϕ
Z_s	0.2777 Ω
$I_{pf\ (L-N)}$	900.33 A ($14.3I_n$)
V_{drop}	7.11 V (242.9 V)
Load	8.0 kW
Max final circuit length	40.05 m @ 16 A (1.5 mm²) 34.64 m @ 16 A (1.25 mm²)

16A 2.5mm² 5m + 10m (4.2m spare)

Kitchen Chiller	LOAD/16 1
16A 1ϕ	-
Z_s	0.3827 Ω
$I_{pf\ (L-N)}$	653.29 A ($40.8I_n$)
V_{drop}	5.73 V (244.3 V)
Load	2.0 kW

400A 3ϕ 150mm² 5m + 10m + 25m + 50m + 50m (0.1m spare)

Nullsec Main	PPS/400 T2
400A 3ϕ	400A 3ϕ
	3 × 125A 3ϕ
	3 × 63A 3ϕ
	6 × 32A 3ϕ
	6 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.1978 Ω
$I_{pf\ (L-N)}$	1264.1 A ($3.2I_n$)
V_{drop}	12.2 V (237.7 V)
Load	56.0 kW
Max final circuit length	50.94 m @ 32 A (4.0 mm²) 41.3 m @ 16 A (1.5 mm²) 35.72 m @ 16 A (1.25 mm²)

125A 3ϕ 35mm² 50m (0.8m spare)

Nullsec Cybar	PPS/125 T2
125A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	12 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.2578 Ω
$I_{pf\ (L-N)}$	969.84 A ($7.8I_n$)
V_{drop}	14.5 V (235.5 V)
Load	16.0 kW
Max final circuit length	48.44 m @ 32 A (4.0 mm²) 40.36 m @ 16 A (1.5 mm²) 34.91 m @ 16 A (1.25 mm²)

125A 3ϕ 35mm² 20m + 20m (8.8m spare) (6m extra added)

Nullsec DJ	PPS/125 T2
125A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	12 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.2458 Ω
$I_{pf\ (L-N)}$	1017.2 A ($8.1I_n$)
V_{drop}	12.2 V (237.7 V)
Load	48.94 m @ 32 A (4.0 mm²) 40.55 m @ 16 A (1.5 mm²) 35.07 m @ 16 A (1.25 mm²)

63A 3ϕ 16mm² 5m (1.2m spare)

Nullsec Installations	PPS/63 T2
63A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.2113 Ω
$I_{pf\ (L-N)}$	1183.3 A ($18.8I_n$)
V_{drop}	12.2 V (237.7 V)
Load	50.38 m @ 32 A (4.0 mm²) 41.09 m @ 16 A (1.5 mm²) 35.53 m @ 16 A (1.25 mm²)

63A 3ϕ 16mm² 20m + 20m + 50m (2.1m spare)

Stage D Lake	PPS/63 T1
63A 3ϕ	63A 3ϕ
	32A 3ϕ
	6 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.3876 Ω
$I_{pf\ (L-N)}$	645.03 A ($10.2I_n$)
V_{drop}	23.0 V (226.9 V)
Load	31.5 kW
Max final circuit length	43.04 m @ 32 A (4.0 mm²) 38.33 m @ 16 A (1.5 mm²) 33.15 m @ 16 A (1.25 mm²)

63A 3ϕ 16mm² 10m + 20m (3.3m spare)

32A 3ϕ 6mm² 20m + 20m (1.9m spare)

Stage D	ENLX/18WAY
63A 3ϕ	32A 3ϕ
	21 × 16A 1ϕ
Z_s	0.4686 Ω
$I_{pf\ (L-N)}$	533.53 A ($8.5I_n$)
V_{drop}	28.7 V (221.3 V)
Load	30.0 kW
Max final circuit length	37.07 m @ 16 A (1.5 mm²) 32.06 m @ 16 A (1.25 mm²)

Toilets N Split	PPS/400 T1
400A 3ϕ	400A 3ϕ
	3 × 125A 3ϕ
	3 × 63A 3ϕ
	4 × 32A 3ϕ
	3 × 32A 1ϕ
	3 × 16A 1ϕ
Z_s	0.1446 Ω
$I_{pf\ (L-N)}$	1729.2 A ($4.3I_n$)
V_{drop}	5.37 V (244.6 V)
Load	110.5 kW
Max final circuit length	53.16 m @ 32 A (4.0 mm²) 42.13 m @ 16 A (1.5 mm²) 36.44 m @ 16 A (1.25 mm²)

32A 3ϕ 6mm² 20m + 50m (2.9m spare)

32A 3ϕ 6mm² 5m + 10m (1.4m spare)

D3	PPS/32 T1
32A 3ϕ	32A 3ϕ
	3 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.6556 Ω
$I_{pf\ (L-N)}$	381.34 A ($11.9I_n$)
V_{drop}	12.4 V (237.5 V)
Load	6.0 kW
Max final circuit length	31.87 m @ 32 A (4.0 mm²) 34.14 m @ 16 A (1.5 mm²) 29.53 m @ 16 A (1.25 mm²)

16A 2.5mm² 5m (0.1m spare)

D3-16	TOB/16
16A 1ϕ	16A 1ϕ
	14 × 13A 1ϕ
Z_s	0.7356 Ω
$I_{pf\ (L-N)}$	339.86 A ($21.2I_n$)
V_{drop}	12.6 V (237.4 V)
Load	1.0 kW
Max final circuit length	32.89 m @ 16 A (1.5 mm²) 28.45 m @ 16 A (1.25 mm²) 37.31 m @ 13 A (1.25 mm²)

North Toilets Pump	LOAD/32
32A 3ϕ	-
Z_s	0.2541 Ω
$I_{pf\ (L-N)}$	983.96 A ($30.7I_n$)
V_{drop}	6.63 V (243.4 V)
Load	5.0 kW

32A 6mm² 20m (4.7m spare)

Arcade	PPS/32 T1
32A 3ϕ	32A 3ϕ
	3 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.5096 Ω
$I_{pf\ (L-N)}$	490.6 A ($15.3I_n$)
V_{drop}	13.8 V (236.2 V)
Load	10.0 kW
Max final circuit length	37.95 m @ 32 A (4.0 mm²) 36.43 m @ 16 A (1.5 mm²) 31.5 m @ 16 A (1.25 mm²)

32A 6mm² 10m (0.8m spare)

32A 6mm² 10m (0.4m spare)

Arcade Workshop	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.5826 Ω
$I_{pf\ (L-N)}$	429.12 A ($13.4I_n$)
V_{drop}	14.0 V (236.0 V)
Load	1.0 kW
Max final circuit length	34.91 m @ 32 A (4.0 mm²) 35.29 m @ 16 A (1.5 mm²) 30.52 m @ 16 A (1.25 mm²)

Arcade 2	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.5826 Ω
$I_{pf\ (L-N)}$	429.12 A ($13.4I_n$)
V_{drop}	13.8 V (236.2 V)
Load	1.0 kW
Max final circuit length	34.91 m @ 32 A (4.0 mm²) 35.29 m @ 16 A (1.5 mm²) 30.52 m @ 16 A (1.25 mm²)

North Toilets	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.2906 Ω
$I_{pf\ (L-N)}$	860.36 A ($26.9I_n$)
V_{drop}	6.04 V (244.0 V)
Load	2.0 kW
Max final circuit length	47.08 m @ 32 A (4.0 mm²) 39.85 m @ 16 A (1.5 mm²) 34.46 m @ 16 A (1.25 mm²)

32A 3ϕ 6mm² 50m (0.3m spare)

H2B	PPS/63 T2
63A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.418 Ω
$I_{pf\ (L-N)}$	598.12 A ($9.5I_n$)
V_{drop}	19.9 V (230.1 V)
Load	8.0 kW
Max final circuit length	41.77 m @ 32 A (4.0 mm²) 37.86 m @ 16 A (1.5 mm²) 32.74 m @ 16 A (1.25 mm²)

32A 6mm² 5m (2.2m spare)

H2B-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.4545 Ω
$I_{pf\ (L-N)}$	550.08 A ($17.2I_n$)
V_{drop}	20.0 V (230.0 V)
Load	2.0 kW
Max final circuit length	41.11 m @ 13 A (1.25 mm²)

32A 6mm² 20m + 20m (2.0m spare)

J1	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.71 Ω
$I_{pf\ (L-N)}$	352.12 A ($11.0I_n$)
V_{drop}	21.2 V (228.8 V)
Load	2.0 kW
Max final circuit length	29.6 m @ 32 A (4.0 mm²) 33.29 m @ 16 A (1.5 mm²) 28.8 m @ 16 A (1.25 mm²)

16A 2.5mm² 5m (3.1m spare)

J1-16	LOAD/16 1
16A 1ϕ	-
Z_s	0.79 Ω
$I_{pf\ (L-N)}$	316.46 A ($19.8I_n$)
V_{drop}	21.2 V (228.8 V)

32A 6mm² 5m + 20m (1.1m spare)

G2	PPS/63 T2
63A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.364 Ω
$I_{pf\ (L-N)}$	686.85 A ($10.9I_n$)
V_{drop}	19.8 V (230.2 V)
Load	13.0 kW
Max final circuit length	44.02 m @ 32 A (4.0 mm²) 38.7 m @ 16 A (1.5 mm²) 33.47 m @ 16 A (1.25 mm²)

32A 3ϕ 6mm² 5m + 10m + 20m (1.6m spare)

J2	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.6005 Ω
$I_{pf\ (L-N)}$	416.33 A ($13.0I_n$)
V_{drop}	20.3 V (229.7 V)
Load	1.0 kW
Max final circuit length	34.16 m @ 32 A (4.0 mm²) 35.01 m @ 16 A (1.5 mm²) 30.28 m @ 16 A (1.25 mm²)

32A 6mm² 5m + 10m + 20m (0.1m spare)

32A 6mm² 10m + 20m (4.1m spare)

H1B	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.875 Ω
$I_{pf\ (L-N)}$	285.72 A ($8.9I_n$)
V_{drop}	24.5 V (225.5 V)
Load	2.0 kW
Max final circuit length	22.73 m @ 32 A (4.0 mm²) 30.72 m @ 16 A (1.5 mm²) 26.57 m @ 16 A (1.25 mm²)

G1A	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.8385 Ω
$I_{pf\ (L-N)}$	298.15 A ($9.3I_n$)
V_{drop}	24.4 V (225.6 V)
Load	2.0 kW
Max final circuit length	24.25 m @ 32 A (4.0 mm²) 31.29 m @ 16 A (1.5 mm²) 27.06 m @ 16 A (1.25 mm²)

32A 3ϕ 6mm² 20m + 20m (3.7m spare)

32A 6mm² 20m (1.4m spare)

J3	PPS/32 T1
32A 3ϕ	32A 3ϕ
	3 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.632 Ω
$I_{pf\ (L-N)}$	395.58 A ($12.4I_n$)
V_{drop}	21.2 V (228.8 V)
Load	5.0 kW
Max final circuit length	32.85 m @ 32 A (4.0 mm²) 34.51 m @ 16 A (1.5 mm²) 29.85 m @ 16 A (1.25 mm²)

32A 3ϕ 6mm² 5m + 10m + 20m (1.6m spare)

32A 6mm² 10m (3.0m spare)

H1A	PPS/32 T1
32A 3ϕ	32A 3ϕ
	3 × 32A 1ϕ
	6 × 16A 1ϕ
Z_s	0.6195 Ω
$I_{pf\ (L-N)}$	403.56 A ($12.6I_n$)
V_{drop}	23.3 V (226.6 V)
Load	6.0 kW
Max final circuit length	33.37 m @ 32 A (4.0 mm²) 34.71 m @ 16 A (1.5 mm²) 30.02 m @ 16 A (1.25 mm²)

32A 6mm² 20m + 20m (1.6m spare)

G2-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.437 Ω
$I_{pf\ (L-N)}$	572.11 A ($17.9I_n$)
V_{drop}	20.0 V (230.0 V)
Load	1.0 kW
Max final circuit length	41.34 m @ 13 A (1.25 mm²)

32A 6mm² 5m + 10m + 20m (1.8m spare)

H2A	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.656 Ω
$I_{pf\ (L-N)}$	381.11 A ($11.9I_n$)
V_{drop}	21.2 V (228.8 V)
Load	2.0 kW
Max final circuit length	31.85 m @ 32 A (4.0 mm²) 34.14 m @ 16 A (1.5 mm²) 29.53 m @ 16 A (1.25 mm²)

32A 6mm² 10m (3.7m spare)

G1B	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.6195 Ω
$I_{pf\ (L-N)}$	403.56 A ($12.6I_n$)
V_{drop}	21.0 V (229.0 V)
Load	2.0 kW
Max final circuit length	33.37 m @ 32 A (4.0 mm²) 34.71 m @ 16 A (1.5 mm²) 30.02 m @ 16 A (1.25 mm²)

16A 2.5mm² 5m (1.7m spare)

G1B-16	LOAD/16 1
16A 1ϕ	-
Z_s	0.6995 Ω
$I_{pf\ (L-N)}$	357.4 A ($22.3I_n$)
V_{drop}	21.0 V (229.0 V)

J3-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.705 Ω
$I_{pf\ (L-N)}$	354.62 A ($11.1I_n$)
V_{drop}	21.5 V (228.5 V)
Load	2.0 kW
Max final circuit length	37.72 m @ 13 A (1.25 mm²)

Village Edinburgh Hack	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.486 Ω
$I_{pf\ (L-N)}$	514.42 A ($16.1I_n$)
V_{drop}	18.0 V (232.0 V)
Load	0.5 kW
Max final circuit length	38.94 m @ 32 A (4.0 mm²) 36.79 m @ 16 A (1.5 mm²) 31.82 m @ 16 A (1.25 mm²)

32A 6mm² 5m (1.4m spare)

Village EMF-IX	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.7085 Ω
$I_{pf\ (L-N)}$	352.86 A ($11.0I_n$)
V_{drop}	15.5 V (234.5 V)
Load	0.5 kW
Max final circuit length	29.66 m @ 32 A (4.0 mm²) 33.32 m @ 16 A (1.5 mm²) 28.82 m @ 16 A (1.25 mm²)

32A 6mm² 5m (2.6m spare)

H6-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.5625 Ω
$I_{pf\ (L-N)}$	444.46 A ($13.9I_n$)
V_{drop}	15.4 V (234.6 V)
Load	1.0 kW
Max final circuit length	39.65 m @ 13 A (1.25 mm²)

Workshop 3	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.7085 Ω
$I_{pf\ (L-N)}$	352.86 A ($11.0I_n$)
V_{drop}	15.7 V (234.3 V)
Load	1.0 kW
Max final circuit length	29.66 m @ 32 A (4.0 mm²) 33.32 m @ 16 A (1.5 mm²) 28.82 m @ 16 A (1.25 mm²)

32A 6mm² 5m + 10m (2.8m spare)

32A 6mm² 20m (2.6m spare)

Village comm LAAG	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.7655 Ω
$I_{pf\ (L-N)}$	326.59 A ($10.2I_n$)
V_{drop}	17.5 V (232.5 V)
Load	0.5 kW
Max final circuit length	27.29 m @ 32 A (4.0 mm²) 32.43 m @ 16 A (1.5 mm²) 28.05 m @ 16 A (1.25 mm²)

F2-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.802 Ω
$I_{pf\ (L-N)}$	311.72 A ($9.7I_n$)
V_{drop}	18.1 V (231.9 V)
Load	2.0 kW
Max final circuit length	36.41 m @ 13 A (1.25 mm²)

G6-32	TOB/32
32A 1ϕ	14 × 13A 1ϕ
Z_s	0.4492 Ω
$I_{pf\ (L-N)}$	556.57 A ($17.4I_n$)
V_{drop}	11.3 V (238.7 V)
Load	2.0 kW
Max final circuit length	41.18 m @ 13 A (1.25 mm²)

32A 6mm² 5m (1.9m spare)

G6	PPS/63 T2
63A 3ϕ	63A 3ϕ
	2 × 32A 3ϕ
	6 × 32A 1ϕ
	12 × 16A 1ϕ
Z_s	0.4127 Ω
$I_{pf\ (L-N)}$	605.8 A ($9.6I_n$)
V_{drop}	11.2 V (238.8 V)
Load	5.5 kW
Max final circuit length	41.99 m @ 32 A (4.0 mm²) 37.94 m @ 16 A (1.5 mm²) 32.81 m @ 16 A (1.25 mm²)

32A 6mm² 5m + 10m (3.6m spare)

Village ECHQ	PPS/32 T3
32A 1ϕ	32A 1ϕ
	4 × 16A 1ϕ
Z_s	0.5222 Ω
$I_{pf\ (L-N)}$	478.76 A ($15.0I_n$)
V_{drop}	11.3 V (238.7 V)
Load	0.5 kW
Max final circuit length	37.43 m @ 32 A (4.0 mm²) 36.23 m @ 16 A (1.5 mm²) 31.33 m @ 16 A (1.25 mm²)

32A 3ϕ 6mm² 5m (1.6m spare)

32A 6mm² 5m (1.9m spare)

G4A	PPS/32 T1
32A 3ϕ	32A 3